

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 27, 2005, 06:43:34 ; Search time 10.5751 Seconds
(without alignments)
7117.524 Million cell updates/sec

Title: US-09-464-767a-3_COPY_1_46

Perfect score: 46
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Scoring table: OLIGO NUC

Gapop 60.0 , Gapext 60.0

Searched: 1202784 seqs, 818138359 residues

Word size : 0

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Issued Patents NA.*

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- 2: /cgn2_6/ptodata/1/ina/5B-COMB.seq.*
- 3: /cgn2_6/ptodata/1/ina/6A-COMB.seq.*
- 4: /cgn2_6/ptodata/1/ina/6B-COMB.seq.*
- 5: /cgn2_6/ptodata/1/ina/PTUS-COMB.seq.*
- 6: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	16	34.8	601	4	US-09-949-016-19899
3	16	34.8	601	4	US-09-949-016-19900
4	16	34.8	601	4	US-09-949-016-19901
5	16	34.8	601	4	US-09-949-016-113158
6	16	34.8	601	4	US-09-949-016-113159
7	16	34.8	601	4	US-09-949-016-113160
8	16	34.8	601	4	US-09-949-016-113161
9	16	34.8	601	4	US-09-949-016-137266
10	16	34.8	1582	3	US-09-180-109A-32
11	16	34.8	1663	3	US-08-827-171B-1
12	16	34.8	1663	4	US-09-588-995A-88
13	16	34.8	1663	4	US-09-598-062-1
14	16	34.8	2576	4	US-09-949-016-105
15	16	34.8	2585	4	US-09-949-016-3121
16	16	34.8	25227	4	US-09-949-016-11847
17	16	34.8	25227	4	US-09-949-016-14863
18	16	34.8	70308	4	US-09-949-016-15601
19	15	32.6	176	4	US-09-270-767-23682
20	15	32.6	182	4	US-09-471-276-520
21	15	32.6	229	4	US-09-270-767-27023
22	15	32.6	461	4	US-09-270-767-13668
23	15	32.6	484	4	US-09-621-976-10075
24	15	32.6	601	4	US-09-949-016-18602
25	15	32.6	601	4	US-09-949-016-27340
26	15	32.6	601	4	US-09-949-016-47866
27	15	32.6	601	4	US-09-949-016-53938

ALIGNMENTS

RESULT 1

US-09-949-016-19898
; Sequence 19898, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 19898
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-19898

Query Match 34.8%; Score 16; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 TATTCATATATAAC 17

Db 70 TATTCATATATAAC 85

RESULT 2

US-09-949-016-19899
; Sequence 19899, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498

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; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 19899
;   LENGTH: 601
;   TYPE: DNA
;   ORGANISM: Human
US-09-949-016-19899

Query Match          34.8%; Score 16; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 TATTCATATATAAC 17
Db      101 TATTCATATATAAC 116

RESULT 3
US-09-949-016-19900
; Sequence 19900, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 19900
;   LENGTH: 601
;   TYPE: DNA
;   ORGANISM: Human
US-09-949-016-19900

Query Match          34.8%; Score 16; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 TATTCATATATAAC 17
Db      143 TATTCATATATAAC 158

RESULT 4
US-09-949-016-19901
; Sequence 19901, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 19901
;   LENGTH: 601
;   TYPE: DNA
;   ORGANISM: Human
US-09-949-016-19901

Query Match          34.8%; Score 16; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 TATTCATATATAAC 17
Db      70 TATTCATATATAAC 85

RESULT 5
US-09-949-016-113158
; Sequence 113158, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 113158
;   LENGTH: 601
;   TYPE: DNA
;   ORGANISM: Human
US-09-949-016-113158

Query Match          34.8%; Score 16; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 TATTCATATATAAC 17
Db      217 TATTCATATATAAC 232

RESULT 6
US-09-949-016-113159
; Sequence 113159, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 113159
;   LENGTH: 601
;   TYPE: DNA
;   ORGANISM: Human
US-09-949-016-113159

Query Match          34.8%; Score 16; DB 4; Length 601;
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Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 TATTCATATATAAC 17
Db 101 TATTCATATATAAC 116

RESULT 7
US-09-949-016-113160
; Sequence 113160, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 113160
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-113160

Query Match 34.8%; Score 16; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 TATTCATATATAAC 17
Db 143 TATTCATATATAAC 158

RESULT 8
US-09-949-016-113161
; Sequence 113161, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 113161
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-113161

Query Match 34.8%; Score 16; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 TATTCATATATAAC 17
Db 143 TATTCATATATAAC 158

RESULT 9
US-09-949-016-137266
; Sequence 137266, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 137266
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-137266

Query Match 34.8%; Score 16; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 26 GAGGCGGGCGGTGG 41
Db 533 GAGGCGGGCGGTGG 548

RESULT 10
US-09-180-109A-32
; Sequence 32, Application US/09180109A
; Patent No. 6410293
; GENERAL INFORMATION:
; APPLICANT: MUKUMOTO, Fujio
; APPLICANT: NISHIO, Shoichi
; APPLICANT: AKIMARU, Jiro
; APPLICANT: MITSUDA, Satoshi
; TITLE OF INVENTION: DNA Fragments Containing Biotin Biosynthetase Gene and
; TITLE OF INVENTION: Use of the Same
; FILE REFERENCE: 0152-0490P
; CURRENT APPLICATION NUMBER: US/09/180,109A
; CURRENT FILING DATE: 1998-12-03
; PRIOR APPLICATION NUMBER: 09/047838 JAPAN
; PRIOR FILING DATE: 1997-03-03
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: Patentin ver. 2.0
; SEQ ID NO 32
; LENGTH: 1582
; TYPE: DNA
; ORGANISM: Sphingomonas paucimobilis
; FEATURE:
; OTHER INFORMATION: Strain = JCM7511
; NAME/KEY: CDS
; LOCATION: (489)..(1337)
US-09-180-109A-32

Query Match 34.8%; Score 16; DB 3; Length 1582;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 25 AGAGCGGGCGGTGG 40
Db 1283 AGAGCGGGCGGTGG 1298
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RESULT 11
US-08-827-171B-1
; Sequence 1, Application US/08827171B
; Patent No. 6254869
; GENERAL INFORMATION:
; APPLICANT: CAROLYN PETERSEN
; APPLICANT: JIN-XING HUANG
; TITLE OF INVENTION: CRYPTOPAIN VACCINES, ANTIBODIES, PROTEINS,
; TITLE OF INVENTION: PEPTIDES, DNA AND RNAs FOR PROPHYLAXIS,
; TITLE OF INVENTION: TREATMENT, DIAGNOSIS AND
; TITLE OF INVENTION: DETECTION OF
; TITLE OF INVENTION: CRYPTOSPORIDIUM PARVUM
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PETERS, VERNY, JONES & BIK A
; STREET: 385 Sherman Avenue, Suite 6
; CITY: Palo Alto
; STATE: California
; COUNTRY: United States of America
; ZIP: 94306-1840
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Kb storage
; COMPUTER: PC
; OPERATING SYSTEM: WINDOWS
; SOFTWARE: Wordperfect 6.0a WINDOWS
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/827,171B
; FILING DATE:
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/014,233
; FILING DATE: March 27, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hana Verny
; REGISTRATION NUMBER: 30,518
; REFERENCE/DOCKET NUMBER: (HV)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 324-1677
; TELEFAX: (415) 324-1678
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1663 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; ORGANISM: Cryptosporidium parvum
; US-08-827-171B-1
Query Match 34.8%; Score 16; DB 3; Length 1663;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTATTCATATATATAA 16
Db 1540 CTATTCATATATATAA 1555

RESULT 12
US-09-588-995A-88
; Sequence 88, Application US/09588995A
; Patent No. 6514697
; GENERAL INFORMATION:
; APPLICANT: PETERSEN, CAROLYN
; APPLICANT: BARNES, DEBRA A.
; APPLICANT: NELSON, RICHARD C.
; APPLICANT: GUT, JIRI
; TITLE OF INVENTION: METHODS FOR DETECTION OF CRYPTOSPORIDIUM SPECIES AND
; TITLE OF INVENTION: ISOLATES AND FOR DIAGNOSIS OF CRYPTOSPORIDIUM
; TITLE OF INVENTION: INFECTIONS
; FILE REFERENCE: 480.19-5
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; CURRENT APPLICATION NUMBER: US/09/588,995A
; CURRENT FILING DATE: 2000-06-06
; PRIOR APPLICATION NUMBER: 08/827,171
; PRIOR FILING DATE: 1997-03-27
; PRIOR APPLICATION NUMBER: 08/928,361
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: 08/700,651
; PRIOR FILING DATE: 1996-08-14
; PRIOR APPLICATION NUMBER: 08/415,751
; PRIOR FILING DATE: 1995-04-03
; NUMBER OF SEQ ID NOS: 115
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 88
; LENGTH: 1663
; TYPE: DNA
; ORGANISM: Cryptosporidium parvum
; US-09-588-995A-88
Query Match 34.8%; Score 16; DB 4; Length 1663;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CTATTCATATATATAA 16
Db 1540 CTATTCATATATATAA 1555

RESULT 13
US-09-598-062-1
; Sequence 1, Application US/09598062
; Patent No. 6759044
; GENERAL INFORMATION:
; APPLICANT: CAROLYN PETERSEN
; APPLICANT: JIN-XING HUANG
; TITLE OF INVENTION: CRYPTOPAIN VACCINES, ANTIBODIES, PROTEINS,
; PEPTIDES, DNA AND RNAs FOR PROPHYLAXIS,
; TREATMENT, DIAGNOSIS AND
; DETECTION OF
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PETERS, VERNY, JONES & BIK A
; STREET: 385 Sherman Avenue, Suite 6
; CITY: Palo Alto
; STATE: California
; COUNTRY: United States of America
; ZIP: 94306-1840
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Kb storage
; COMPUTER: PC
; OPERATING SYSTEM: WINDOWS
; SOFTWARE: Wordperfect 6.0a WINDOWS
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/598,062
; FILING DATE: 20-Jun-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/827,171
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 60/014,233
; FILING DATE: March 27, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hana Verny
; REGISTRATION NUMBER: 30,518
; REFERENCE/DOCKET NUMBER: (HV)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 324-1677
; TELEFAX: (415) 324-1678
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1663 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
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; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; ORGANISM: Cryptosporidium parvum
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-598-062-1

Query Match      34.8%; Score 16; DB 4; Length 1663;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTATTCATATATATA 16
Db 1540 CTATTCATATATATA 1555

Search completed: September 27, 2005, 07:59:03
Job time : 11.5751 secs

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RESULT 14
US-09-949-016-105/c
; Sequence 105, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 105
; LENGTH: 2576
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-105

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Query Match      34.8%; Score 16; DB 4; Length 2576;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 TATTCATATATATAAC 17
Db 1797 TATTCATATATATAAC 1782

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RESULT 15
US-09-949-016-3121/c
; Sequence 3121, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3121
; LENGTH: 2585
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-3121

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 27, 2005, 06:43:34 ; Search time 70.8497 Seconds
(without alignments)
4341.140 Million cell updates/sec

Title: US-09-464-767A-3_COPY_1_46

Perfect score: 46
Sequence: 1 ctattcatatataacgtt.....aggcgggcggtgtgggtttt 46

Scoring table: OLIGO_NUC
Gapop_60.0 , Gapext 60.0

Searched: 7400732 seqs, 3343137571 residues

Word size : 0
Total number of hits satisfying chosen parameters: 14801464

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

- Database : Published Applications NA.*
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 - 2: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq.*
 - 3: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq.*
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 - 6: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq.*
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 - 9: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq.*
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 - 13: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq.*
 - 14: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq.*
 - 15: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq.*
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 - 21: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq.*
 - 22: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq.*
 - 23: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	46	100.0	32745	9	US-09-464-767-3
4	46	100.0	32745	9	US-09-464-767-3
5	18	39.1	748	20	US-10-363-345A-5719
6	18	39.1	748	20	US-10-363-345A-5720
7	18	39.1	748	20	US-10-363-345A-12197

c	8	18	39.1	748	20	US-10-363-345A-12198	Sequence 12198, A
c	9	18	39.1	748	21	US-10-363-483A-5719	Sequence 5719, Ap
c	10	18	39.1	748	21	US-10-363-483A-5720	Sequence 5720, Ap
c	11	18	39.1	748	21	US-10-363-483A-12197	Sequence 12197, A
c	12	18	39.1	748	21	US-10-363-483A-12198	Sequence 12198, A
c	13	17	37.0	718	15	US-10-259-165-275	Sequence 275, App
c	14	17	37.0	1321	20	US-10-425-115-11988	Sequence 11988, A
c	15	16	34.8	195	18	US-10-424-599-104185	Sequence 104185, A
c	16	16	34.8	391	18	US-10-425-114-25653	Sequence 25653, A
c	17	16	34.8	426	20	US-10-357-930-60951	Sequence 60951, A
c	18	16	34.8	465	9	US-09-880-107-17	Sequence 17, Appl
c	19	16	34.8	480	20	US-10-357-930-57644	Sequence 57644, A
c	20	16	34.8	556	13	US-10-027-632-106409	Sequence 106409, A
c	21	16	34.8	556	17	US-10-027-632-106409	Sequence 106409, A
c	22	16	34.8	579	13	US-10-027-632-22439	Sequence 22439, A
c	23	16	34.8	579	17	US-10-027-632-22439	Sequence 22439, A
c	24	16	34.8	648	20	US-10-363-345A-543	Sequence 543, App
c	25	16	34.8	648	20	US-10-363-345A-544	Sequence 544, App
c	26	16	34.8	648	21	US-10-363-483A-543	Sequence 543, App
c	27	16	34.8	648	21	US-10-363-483A-544	Sequence 544, App
c	28	16	34.8	657	19	US-10-437-963-39274	Sequence 39274, A
c	29	16	34.8	751	13	US-10-027-632-141229	Sequence 141229, A
c	30	16	34.8	751	13	US-10-027-632-141230	Sequence 141230, A
c	31	16	34.8	751	13	US-10-027-632-141231	Sequence 141231, A
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c	34	16	34.8	751	17	US-10-027-632-141231	Sequence 141231, A
c	35	16	34.8	816	19	US-10-437-963-7495	Sequence 7495, Ap
c	36	16	34.8	894	20	US-10-363-345A-23959	Sequence 23959, A
c	37	16	34.8	894	20	US-10-363-345A-23960	Sequence 23960, A
c	38	16	34.8	894	21	US-10-363-483A-23959	Sequence 23959, A
c	39	16	34.8	894	21	US-10-363-483A-23960	Sequence 23960, A
c	40	16	34.8	1326	20	US-10-425-115-7202	Sequence 7202, Ap
c	41	16	34.8	1327	19	US-10-437-963-102044	Sequence 102044, A
c	42	16	34.8	1374	20	US-10-739-930-2317	Sequence 2317, Ap
c	43	16	34.8	1391	20	US-10-425-115-7205	Sequence 7205, Ap
c	44	16	34.8	1466	19	US-10-437-963-54711	Sequence 54711, A
c	45	16	34.8	1663	20	US-10-867-888-1	Sequence 1, Appl

ALIGNMENTS

RESULT 1
US-09-464-767-1
; Sequence 1, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Both, Gerald
; APPLICANT: Boyle, David
; APPLICANT: Vratil, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vect
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 29544
; TYPE: DNA
; ORGANISM: Ovine adenovirus
US-09-464-767-1

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Matches 46;	Conservative 0;	0;	Gaps 0;	
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US-09-464-767-1/c
; Sequence 1, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Both, Gerald
; APPLICANT: Boyle, David
; APPLICANT: Vratil, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vector
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 29544
; TYPE: DNA
; ORGANISM: Ovine adenovirus
US-09-464-767-1

Query Match      100.0%; Score 46; DB 9; Length 29544;
Best Local Similarity 100.0%; Pred. No. 2.6e-15;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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US-09-464-767-3
; Sequence 3, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Both, Gerald
; APPLICANT: Boyle, David
; APPLICANT: Vratil, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vector
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 32745
; TYPE: DNA
; ORGANISM: synthetic construct
US-09-464-767-3

Query Match      100.0%; Score 46; DB 9; Length 32745;
Best Local Similarity 100.0%; Pred. No. 2.6e-15;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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US-09-464-767-3/c
; Sequence 3, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Both, Gerald
; APPLICANT: Boyle, David
; APPLICANT: Vratil, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vector
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 32745
; TYPE: DNA
; ORGANISM: synthetic construct
US-09-464-767-3/c

Query Match      100.0%; Score 46; DB 9; Length 32745;
Best Local Similarity 100.0%; Pred. No. 2.6e-15;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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TYPE: DNA
; ORGANISM: synthetic construct
US-09-464-767-3

Query Match      100.0%; Score 46; DB 9; Length 32745;
Best Local Similarity 100.0%; Pred. No. 2.6e-15;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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; Sequence 5719, Application US/10363345A
; Publication No. US20040234960A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Method for determining the degree of methylation of defined
; FILE REFERENCE: E01/1227
; CURRENT APPLICATION NUMBER: US/10/363,345A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
; SEQ ID NO 5719
; LENGTH: 748
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; OTHER INFORMATION: CpG-island No: 5719
US-10-363-345A-5719

Query Match      39.1%; Score 18; DB 20; Length 748;
Best Local Similarity 100.0%; Pred. No. 5.6;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 25 AGAGCGGGCGGTGTGGG 42
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Db 185 AGAGCGGGCGGTGTGGG 202

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US-10-363-345A-5720/c
; Sequence 5720, Application US/10363345A
; Publication No. US20040234960A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Method for determining the degree of methylation of defined
; FILE REFERENCE: E01/1227
; CURRENT APPLICATION NUMBER: US/10/363,345A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
; SEQ ID NO 5720
; LENGTH: 748
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; OTHER INFORMATION: CpG-island No: 5720
US-10-363-345A-5720

Query Match      39.1%; Score 18; DB 20; Length 748;
Best Local Similarity 100.0%; Pred. No. 5.6;
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QY 25 AGAGCGGGCGGTGTGGG 42
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Db          564 AGAGCGGGCGGTGTGGG 547
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RESULT 7
US-10-363-345A-12197
; Sequence 12197, Application US/10363345A
; Publication No. US20040234960A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Method for determining the degree of methylation of defined
; FILE OF INVENTION: cytosines in genomic DNA in the sequence context of 5'-CpG-3
; FILE REFERENCE: E01/1227
; CURRENT APPLICATION NUMBER: US/10/363,345A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
; SEQ ID NO 12197
; LENGTH: 748
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; OTHER INFORMATION: CpG-island No: 12197
US-10-363-345A-12197

Query Match          39.1%; Score 18; DB 20; Length 748;
Best Local Similarity 100.0%; Pred. No. 5.6;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 25 AGAGCGGGCGGTGTGGG 42
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Db 94 AGAGCGGGCGGTGTGGG 111
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RESULT 8
US-10-363-345A-12198/c
; Sequence 12198, Application US/10363345A
; Publication No. US20040234960A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Method for determining the degree of methylation of defined
; FILE OF INVENTION: cytosines in genomic DNA in the sequence context of 5'-CpG-3
; FILE REFERENCE: E01/1227
; CURRENT APPLICATION NUMBER: US/10/363,345A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
; SEQ ID NO 12198
; LENGTH: 748
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; OTHER INFORMATION: CpG-island No: 12198
US-10-363-345A-12198

Query Match          39.1%; Score 18; DB 20; Length 748;
Best Local Similarity 100.0%; Pred. No. 5.6;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 25 AGAGCGGGCGGTGTGGG 42
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Db 655 AGAGCGGGCGGTGTGGG 638
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RESULT 9
US-10-363-483A-5719
; Sequence 5719, Application US/10363483A
; Publication No. US20050064401A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Diagnosis of illnesses or predisposition to certain
; FILE OF INVENTION: illnesses
; FILE REFERENCE: 82011
; CURRENT APPLICATION NUMBER: US/10/363,483A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
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; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Diagnosis of illnesses or predisposition to certain
; FILE OF INVENTION: illnesses
; FILE REFERENCE: 82011
; CURRENT APPLICATION NUMBER: US/10/363,483A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
; SEQ ID NO 5719
; LENGTH: 748
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; OTHER INFORMATION: CpG-island No: 5719
US-10-363-483A-5719

Query Match          39.1%; Score 18; DB 21; Length 748;
Best Local Similarity 100.0%; Pred. No. 5.6;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 25 AGAGCGGGCGGTGTGGG 42
|||||
Db 185 AGAGCGGGCGGTGTGGG 202
|||||

RESULT 10
US-10-363-483A-5720/c
; Sequence 5720, Application US/10363483A
; Publication No. US20050064401A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Diagnosis of illnesses or predisposition to certain
; FILE OF INVENTION: illnesses
; FILE REFERENCE: 82011
; CURRENT APPLICATION NUMBER: US/10/363,483A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
; SEQ ID NO 5720
; LENGTH: 748
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; OTHER INFORMATION: CpG-island No: 5720
US-10-363-483A-5720

Query Match          39.1%; Score 18; DB 21; Length 748;
Best Local Similarity 100.0%; Pred. No. 5.6;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 25 AGAGCGGGCGGTGTGGG 42
|||||
Db 564 AGAGCGGGCGGTGTGGG 547
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RESULT 11
US-10-363-483A-12197
; Sequence 12197, Application US/10363483A
; Publication No. US20050064401A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Diagnosis of illnesses or predisposition to certain
; FILE OF INVENTION: illnesses
; FILE REFERENCE: 82011
; CURRENT APPLICATION NUMBER: US/10/363,483A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
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; SEQ ID NO 12197
; LENGTH: 748
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-363-483A-12197

Query Match          39.1%; Score 18; DB 21; Length 748;
Best Local Similarity 100.0%; Pred. No. 5.6;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 25 AGAGCGGGCGCGTGGG 42
DB 94 AGAGCGGGCGCGTGGG 111

RESULT 12
US-10-363-483A-12198/c
; Sequence 12198, Application US/10363483A
; Publication No. US20050064401A1
; GENERAL INFORMATION:
; APPLICANT: Alexander Olek
; APPLICANT: Christian Piepenbrock
; APPLICANT: Kurt Berlin
; TITLE OF INVENTION: Diagnosis of illnesses or predisposition to certain
; FILE REFERENCES: 82011
; CURRENT APPLICATION NUMBER: US/10/363,483A
; CURRENT FILING DATE: 2003-03-03
; NUMBER OF SEQ ID NOS: 40712
; SEQ ID NO 12198
; LENGTH: 748
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-363-483A-12198

Query Match          39.1%; Score 18; DB 21; Length 748;
Best Local Similarity 100.0%; Pred. No. 5.6;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 25 AGAGCGGGCGCGTGGG 42
DB 655 AGAGCGGGCGCGTGGG 638

RESULT 13
US-10-259-165-275
; Sequence 275, Application US/10259165
; Publication No. US20030135888A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Xun
; APPLICANT: Chang, Hur-song
; APPLICANT: Briggs, Steven P.
; APPLICANT: Cooper, Bret
; APPLICANT: Glazebrook, Jane
; APPLICANT: Goff, Stephen A.
; APPLICANT: Katagiri, Fumiyaaki
; APPLICANT: Kreps, Joel
; APPLICANT: Moughamer, Todd
; APPLICANT: Provart, Nicholas
; APPLICANT: Ricke, Darrell
; TITLE OF INVENTION: GENES THAT ARE MODULATED BY POSTTRANSCRIPTIONAL GENE SILENCING
; FILE REFERENCES: 70030-NP
; CURRENT APPLICATION NUMBER: US/10/259,165
; CURRENT FILING DATE: 2002-09-26
; PRIOR APPLICATION NUMBER: US 60/370,620
; PRIOR FILING DATE: 2002-04-04
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; PRIOR APPLICATION NUMBER: US 60/368,327
; PRIOR FILING DATE: 2002-03-27
; PRIOR APPLICATION NUMBER: US 60/325,277
; PRIOR FILING DATE: 2001-09-26
; NUMBER OF SEQ ID NOS: 782
; SOFTWARE: PatentList.pl version 3.0.4 (C) 2001 Syngenta
; SEQ ID NO 275
; LENGTH: 718
; TYPE: DNA
; ORGANISM: Oryza sativa
US-10-259-165-275

Query Match          37.0%; Score 17; DB 15; Length 718;
Best Local Similarity 100.0%; Pred. No. 20;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 27 AGCGCGGGCGGTGGGT 43
DB 65 AGCGCGGGCGGTGGGT 81

RESULT 14
US-10-425-115-11988/c
; Sequence 11988, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCES: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 11988
; LENGTH: 1321
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_11092C.1
US-10-425-115-11988

Query Match          37.0%; Score 17; DB 20; Length 1321;
Best Local Similarity 100.0%; Pred. No. 19;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 24 CAGAGCGGGCGGTGTG 40
DB 1046 CAGAGCGGGCGGTGTG 1030

RESULT 15
US-10-424-599-104185
; Sequence 104185, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCES: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 104185
; LENGTH: 195
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
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; OTHER INFORMATION: Clone ID: PAT_MRT3847_65095C.1
US-10-424-599-104185

Query Match 34.8%; Score 16; DB 18; Length 195;
Best Local Similarity 100.0%; Pred. No. 74;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2 TATTCATATATATAAC 17
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Db 59 TATTCATATATATAAC 74

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Job time : 71.8497 secs

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OM nucleic - nucleic search, using sw model

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2: /cgn2_6/ptodata/1/ina/5B COMB.seq:*
3: /cgn2_6/ptodata/1/ina/6A COMB.seq:*
4: /cgn2_6/ptodata/1/ina/6B COMB.seq:*
5: /cgn2_6/ptodata/1/ina/PCTUS COMB.seq:*
6: /cgn2_6/ptodata/1/ina/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	23.4	50.9	1610	3	US-09-276-531-56
2	22.8	49.6	1467	4	US-09-270-767-14472
3	22.6	49.1	601	4	US-09-949-016-68507
4	22.6	49.1	13102	4	US-09-949-016-17552
5	22.6	49.1	130724	4	US-09-949-016-13753
6	22.4	48.7	16404	4	US-09-949-016-16126
7	22.4	48.7	104077	4	US-09-949-016-13593
8	21.8	47.4	298336	4	US-09-949-016-16600
9	21.6	47.0	725	4	US-09-640-211A-2
10	21.6	47.0	346112	4	US-09-949-016-13165
11	21.4	46.5	522	4	US-09-328-352-1166
12	21.4	46.5	317366	4	US-09-949-016-16001
13	21.2	46.1	58821	4	US-09-949-016-15897
14	21.2	46.1	58824	4	US-09-949-016-12615
15	21.2	46.1	99830	4	US-09-949-016-16859
16	20.8	45.2	601	4	US-09-949-016-122409
17	20.8	45.2	601	4	US-09-949-016-122418
18	20.8	45.2	1323	4	US-09-489-039A-2924
19	20.8	45.2	27968	4	US-09-949-016-15191
20	20.8	45.2	27968	4	US-09-949-016-15192
21	20.8	45.2	85865	4	US-09-949-016-17345
22	20.8	45.2	187169	4	US-09-949-016-12776
23	20.8	45.2	191569	4	US-09-949-016-15940
24	20.6	44.8	601	4	US-09-949-016-84051
25	20.6	44.8	601	4	US-09-949-016-84052
26	20.6	44.8	717	4	US-09-270-767-2683
27	20.6	44.8	717	4	US-09-270-767-17965

C	28	20.6	44.8	10720	4	US-09-949-016-17443	Sequence 17443, A
	29	20.6	44.8	31423	4	US-09-949-016-16442	Sequence 16442, A
	30	20.6	44.8	39299	4	US-09-949-016-16625	Sequence 16625, A
	31	20.6	44.8	135476	4	US-09-949-016-12611	Sequence 12611, A
	32	20.6	44.8	135476	4	US-09-949-016-14413	Sequence 14413, A
	33	20.6	44.8	206433	4	US-09-949-016-13527	Sequence 13527, A
	34	20.6	44.8	254778	4	US-09-949-016-12417	Sequence 12417, A
	35	20.6	44.8	455726	4	US-09-949-016-14157	Sequence 14157, A
	36	20.6	44.8	481115	4	US-09-949-016-11940	Sequence 11940, A
	37	20.4	44.3	601	4	US-09-949-016-83315	Sequence 83315, A
	38	20.4	44.3	7571	4	US-09-949-016-4366	Sequence 4366, Ap
	39	20.4	44.3	8146	4	US-09-976-594-725	Sequence 725, Ap
	40	20.4	44.3	11917	4	US-09-566-921-32	Sequence 32, Appl
	41	20.4	44.3	54601	4	US-09-949-016-14173	Sequence 14173, A
	42	20.4	44.3	101300	4	US-09-949-016-16108	Sequence 16108, A
	43	20.4	44.3	155617	4	US-09-949-016-16191	Sequence 16191, A
	44	20.2	43.9	384	4	US-09-602-777A-375	Sequence 375, App
	45	20.2	43.9	601	4	US-09-949-016-175940	Sequence 175940, A

ALIGNMENTS

RESULT 1
US-09-276-531-56
; Sequence 56, Application US/09276531
; Patent No. 6183968
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Reddy, Roopa
; APPLICANT: Guegler, Karl J.
; APPLICANT: Baughn, Mariah R.
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF GENES ENCODING
; TITLE OF INVENTION: RECEPTORS AND PROTEINS ASSOCIATED WITH CELL PROLIFERATION
; NUMBER OF SEQUENCES: 134
; CORRESPONDENCE ADDRESS:
; ADDRESS: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/276,531
; FILING DATE: Herewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/079,677
; FILING DATE: March 27, 1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Lynn E. Murty, Ph.D.
; REGISTRATION NUMBER: 42,918
; REFERENCE/DOCKET NUMBER: PA-0008 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 56:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1610 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: BRAIT08

CLONE: 1396833
US-09-276-531-56

Query Match 50.9%; Score 23.4; DB 3; Length 1610;
Best Local Similarity 73.2%; Pred. No. 2.7;
Matches 30; Conservative 0; Mismatches 0; Gaps 0;

QY 6 CATATATATAACGTTGCACAGAGCGGGCGGTGTGGGTTT 46
|||||
Db 311 CATGAATATAAGGTTCCAAAGCCAGCGGGGTTTGTCATT 351
|||||

RESULT 2
US-09-270-767-14472/c
; Sequence 14472, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 14472
; LENGTH: 1467
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: n means any nucleotide
US-09-270-767-14472

Query Match 49.6%; Score 22.8; DB 4; Length 1467;
Best Local Similarity 71.4%; Pred. No. 4.7;
Matches 30; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 1 CTATTTCATATATAACGTTGCACAGAGCGGGCGGTGTGGG 42
|||||
Db 1152 CTATACACATAGATATCGTTGCAGAGATGCGATTAGTCTAGG 1111
|||||

RESULT 3
US-09-949-016-68507
; Sequence 68507, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 68507
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-68507

Query Match 49.1%; Score 22.6; DB 4; Length 601;
Best Local Similarity 68.9%; Pred. No. 4.3;
Matches 31; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

QY 1 CTATTTCATATATAACGTTGCACAGAGCGGGCGGTGTGGGTTT 45
|||||
Db 105 CTATTTATATATATATATACACAAAGCTATGTGTGTGTGT 149
|||||

RESULT 4

US-09-949-016-17552
; Sequence 17552, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 17552
; LENGTH: 13102
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-17552

Query Match 49.1%; Score 22.6; DB 4; Length 13102;
Best Local Similarity 68.9%; Pred. No. 12;
Matches 31; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

QY 1 CTATTTCATATATATAACGTTGCACAGAGCGGGCGGTGTGGGTTT 45
|||||
Db 9429 CTGTCCCTGTTTAAACCCCTTCTCAGAGCCGGCGGTGTGGCTT 9473
|||||

RESULT 5

US-09-949-016-13753/c
; Sequence 13753, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 13753
; LENGTH: 130724
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(130724)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13753

Query Match 49.1%; Score 22.6; DB 4; Length 130724;
Best Local Similarity 68.9%; Pred. No. 25;
Matches 31; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

QY 1 CTATTTCATATATATAACGTTGCACAGAGCGGGCGGTGTGGGTTT 45
|||||
Db 97350 CTATTTATATATATATATATACACAAAGCTATGTGTGTGTGT 97306
|||||

```

RESULT 6
US-09-949-016-16126
; Sequence 16126, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16126
; LENGTH: 16404
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16126

Query Match      48.7%; Score 22.4; DB 4; Length 16404;
Best Local Similarity 72.5%; Pred. No. 16;
Matches 29; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

Qy    2   TATTTCATATATAACGTTGCACAGAGCGGGCGGTGTGG 41
      ||| ||||| ||||| ||||| ||||| ||||| |||||
Db    14434 TATATTTTATATATGTCACAAATGCTGGGGTGTTGG 14473

RESULT 7
US-09-949-016-13593/c
; Sequence 13593, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13593
; LENGTH: 104077
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(104077)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13593

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Query Match      48.7%; Score 22.4; DB 4; Length 104077;
Best Local Similarity 81.2%; Pred. No. 29;
Matches 26; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 2 TATTCATATATATACGTTGCACAGAGCGGG 33
      |||||
Db 50413 TATTCATATATATACCTTGCACAGGGCTGG 50382
      |||||

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RESULT 8
US-09-949-016-16600/c
; Sequence 16600, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C0601307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16600
; LENGTH: 298336
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(298336)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-16600

Query Match 47.4%; Score 21.8; DB 4; Length 298336;
Best Local Similarity 78.8%; Pred. No. 74;
Matches 26; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 4 TTTCATATATATAACGTTGCACAGAGCGGGCGC 36
Db 277963 TTAATATATAGAACATGGACTGAGGCAGCGC 277931

RESULT 9
US-09-640-211A-2
; Sequence 2, Application US/09640211A
; Patent No. 6833446
; GENERAL INFORMATION:
; APPLICANT: Wood, Marion
; APPLICANT: Shenk, Michael A.
; APPLICANT: McGrath, Annette
; APPLICANT: Glenn, Matthew
; TITLE OF INVENTION: Compositions and Methods for the
; TITLE OF INVENTION: Modification of Gene Transcription
; FILE REFERENCE: 11000.1021C1U
; CURRENT APPLICATION NUMBER: US/09/640,211A
; CURRENT FILING DATE: 2000-08-16
; NUMBER OF SEQ ID NOS: 2368
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 725
; TYPE: DNA
; ORGANISM: Eucalyptus grandis
US-09-640-211A-2

Query Match 47.0%; Score 21.6; DB 4; Length 725;
Best Local Similarity 68.2%; Pred. No. 13;
Matches 30; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

Qy 2 TATTTCATATATATAACGTTGCACAGAGCGGGCGTGTGGGTTT 45
Db 549 TATTTCATATATGTGAATAAGTACAGAGAAGGGTTGTGGGTGTAT 592

RESULT 10
US-09-949-016-13165/c
; Sequence 13165, Application US/09949016
; Patent No. 6812339

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; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13165
; LENGTH: 346112
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(346112)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13165

Query Match 47.0%; Score 21.6; DB 4; Length 346112;
Best Local Similarity 68.2%; Pred. No. 95;
Matches 30; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

QY 1 CTATTCATATATAACGTTGCACAGAGCGGGCGTGTGGTT 44
| | | | | | | | | | | | | | | | | | | | | |
Db 42429 CAAATCTGTATTAAAGTATCATATAGCTGGCGCGGTGCT 42386

RESULT 11
US-09-328-352-1166/c
; Sequence 1166, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: GTC98-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 1166
; LENGTH: 522
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-09-328-352-1166

Query Match 46.5%; Score 21.4; DB 4; Length 522;
Best Local Similarity 71.8%; Pred. No. 14;
Matches 28; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 7 ATATATATAACGTTGCACAGAGCGGGCGTGTGGTTT 45
| | | | | | | | | | | | | | | | | | | | | |
Db 378 ATAGATATAACGTTGCATCGTGTGGCTTCGCCTTT 340

RESULT 12
US-09-949-016-16001/c
; Sequence 16001, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
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; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16001
; LENGTH: 317366
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(317366)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-16001

Query Match 46.5%; Score 21.4; DB 4; Length 317366;
Best Local Similarity 71.8%; Pred. No. 11e+02;
Matches 28; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 2 TATTTCATATATAACGTTGCACAGAGCGGGCGTGTG 40
| | | | | | | | | | | | | | | | | | | | | |
Db 269520 TGTGTATATATATATTGTAGCACAGAGGTGCCCTG 269482

RESULT 13
US-09-949-016-15897
; Sequence 15897, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15897
; LENGTH: 58821
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-15897

Query Match 46.1%; Score 21.2; DB 4; Length 58821;
Best Local Similarity 88.5%; Pred. No. 80;
Matches 23; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 20 TGACAGAGCGGGCGGTGTGGTTT 45
| | | | | | | | | | | | | | | | | | | | | |
Db 46544 TGTACAGAGCGGGGTGTGTGAGTTT 46569

RESULT 14
US-09-949-016-12615
; Sequence 12615, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
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: PRIOR APPLICATION NUMBER: 60/237,768
: PRIOR FILING DATE: 2000-10-03
: PRIOR APPLICATION NUMBER: 60/231,498
: PRIOR FILING DATE: 2000-09-08
: NUMBER OF SEQ ID NOS: 207012
: SEQ ID NO 12615
: LENGTH: 58824
: TYPE: DNA
: ORGANISM: Human
US-09-949-016-12615

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```

Query Match      46.1%; Score 21.2; DB 4; Length 58824;
Best Local Similarity 88.5%; Pred. No. 80;
Matches 23; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      20  TGCACAGAGCGGGCGGTGTGGGTTT 45
Db      46548  TGTACAGAGCGGGGTGTGTGAGTTT 46573

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RESULT 15

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US-09-949-016-16859
; Sequence 16859, Application US/09949016
; Patent No. 681239
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16859
; LENGTH: 99830
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1) ..(99830)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-16859

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Query Match      45.7%; Score 21; DB 4; Length 99830;
Best Local Similarity 66.7%; Pred. No. 1.2e+02;
Matches 30; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 1 CTATTTCATATATATAAGCTTTCACAGAGCGCGGGCGTGTGGTTT 45
Db 83375 CTATACATATATATAGACATACACAGAAGCAGTGTGTTGTGATGT 83319

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Search completed: September 26, 2005, 09:35:53
Job time : 14.5571 sec8

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 26, 2005, 09:26:00 ; Search time 45.8917 Seconds
(without alignments)
6702.051 Million cell updates/sec

Title: US-09-464-767A-3_COPY_1_46

Perfect score: 46
Sequence: 1 ctattcatatataacgtt.....aggcggggcggtgggtttt 46

Scoring table: IDENTITY NUC

Gapop 10_0 , Gapext 1.0

Searched: 7400732 seqs, 3343137571 residues

Total number of hits satisfying chosen parameters: 14801464

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA.*

- 1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq.*
- 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq.*
- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq.*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq.*
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- 6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq.*
- 7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq.*
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- 9: /cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq.*
- 10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq.*
- 11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq.*
- 12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*
- 13: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq.*
- 14: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq.*
- 15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq.*
- 16: /cgn2_6/ptodata/2/pubpna/US10D_PUBCOMB.seq.*
- 17: /cgn2_6/ptodata/2/pubpna/US10E_PUBCOMB.seq.*
- 18: /cgn2_6/ptodata/2/pubpna/US10F_PUBCOMB.seq.*
- 19: /cgn2_6/ptodata/2/pubpna/US10G_PUBCOMB.seq.*
- 20: /cgn2_6/ptodata/2/pubpna/US10H_PUBCOMB.seq.*
- 21: /cgn2_6/ptodata/2/pubpna/US10I_PUBCOMB.seq.*
- 22: /cgn2_6/ptodata/2/pubpna/US10J_NEW_PUB.seq.*
- 23: /cgn2_6/ptodata/2/pubpna/US11A_PUBCOMB.seq.*
- 24: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq.*
- 25: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
- 26: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	46	100.0	29544	9	US-09-464-767-1
c	2	46	100.0	29544	Sequence 1, Appli
	4	46	100.0	29544	Sequence 1, Appli
	3	46	100.0	32745	Sequence 3, Appli
c	4	46	100.0	32745	Sequence 3, Appli
	5	24.8	53.9	2779	Sequence 111603
	6	24.8	53.9	2779	Sequence 111603
7	22.8	49.6	5443	15	US-10-311-455-1351

c	8	22.6	49.1	734	13	US-10-027-632-18281	Sequence 18281, A
c	9	22.6	49.1	734	13	US-10-027-632-18282	Sequence 18282, A
c	10	22.6	49.1	734	13	US-10-027-632-18283	Sequence 18283, A
c	11	22.6	49.1	734	17	US-10-027-632-18281	Sequence 18281, A
c	12	22.6	49.1	734	17	US-10-027-632-18282	Sequence 18282, A
c	13	22.6	49.1	734	17	US-10-027-632-18283	Sequence 18283, A
c	14	22.4	48.7	3620	18	US-10-276-774-893	Sequence 893, App
c	15	22.4	48.7	30072	13	US-10-087-192-457	Sequence 457, App
c	16	22.4	48.7	32404	11	US-09-997-722-160	Sequence 160, App
c	17	22.2	48.3	319	11	US-09-732-627A-3161	Sequence 3161, App
c	18	22.2	48.3	65952	19	US-10-322-696-163	Sequence 163, App
c	19	22.2	48.3	152330	13	US-10-087-192-1834	Sequence 1834, App
c	20	22.2	48.3	684187	19	US-10-367-094-71	Sequence 71, Appli
c	21	21.8	47.4	201	20	US-10-719-993-1067	Sequence 1067, App
c	22	21.8	47.4	413	19	US-10-674-124A-21096	Sequence 21096, A
c	23	21.8	47.4	1408	18	US-10-425-114-28898	Sequence 28898, A
c	24	21.8	47.4	3356	20	US-10-719-993-22	Sequence 22, Appli
c	25	21.6	47.0	624	19	US-10-767-701-22520	Sequence 22520, A
c	26	21.6	47.0	725	20	US-10-856-499-2	Sequence 2, Appli
c	27	21.6	47.0	44413	21	US-10-741-600-17915	Sequence 17915, A
c	28	21.4	46.5	540	13	US-10-027-632-92159	Sequence 92159, A
c	29	21.4	46.5	540	13	US-10-027-632-307593	Sequence 307593, A
c	30	21.4	46.5	540	17	US-10-027-632-92159	Sequence 92159, A
c	31	21.4	46.5	540	17	US-10-027-632-307593	Sequence 307593, A
c	32	21.4	46.5	599	20	US-10-425-115-165977	Sequence 165977, A
c	33	21.4	46.5	189013	21	US-10-484-577-669	Sequence 669, App
c	34	21.2	46.1	684	13	US-10-027-632-13718	Sequence 13718, A
c	35	21.2	46.1	684	17	US-10-027-632-13718	Sequence 13718, A
c	36	21.2	46.1	130427	14	US-10-175-533-87	Sequence 87, Appli
c	37	21.2	46.1	130427	24	US-11-099-266-87	Sequence 62889, A
c	38	21	45.7	189	20	US-10-425-115-62989	Sequence 4214, App
c	39	21	45.7	245	17	US-10-242-535A-4214	Sequence 4214, App
c	40	21	45.7	245	18	US-10-085-783A-4214	Sequence 17050, A
c	41	21	45.7	511	19	US-10-767-701-17050	Sequence 1, Appli
c	42	21	45.7	560	14	US-10-029-495-1	Sequence 279464, A
c	43	21	45.7	555	13	US-10-027-632-279464	Sequence 279464, A
c	44	21	45.7	555	17	US-10-027-632-279464	Sequence 261907, A
c	45	21	45.7	849	13	US-10-027-632-261907	

ALIGNMENTS

RESULT 1
US-09-464-767-1
; Sequence 1, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Both, Gerald
; APPLICANT: Boyle, David
; APPLICANT: Vratil, Sudhanahu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vect
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 29544
; TYPE: DNA
; ORGANISM: Ovine adenovirus
US-09-464-767-1

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Best Local Similarity	100.0%	Pred. No. 1.5e-08;		
Matches	46;	Conservative	0;	Mismatches 0; Indels 0; Gaps 0;
Qy	1	CTATTTCATATATATACCGTTGCACAGAGCGGGCGGTGTTT	46	
Db	1	CTATTTCATATATATACCGTTGCACAGAGCGGGCGGTGTTT	46	

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US-09-464-767-1/c
; Sequence 1, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Both, Gerald
; APPLICANT: Boyle, David
; APPLICANT: Vratil, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vector
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 29544
; TYPE: DNA
; ORGANISM: Ovine adenovirus
US-09-464-767-1
Query Match 100.0%; Score 46; DB 9; Length 29544;
Best Local Similarity 100.0%; Pred. No. 1.5e-08;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CTATTCATATATATAACGTTGCACAGAGCGGGCGGTGTGGGTTTT 46
Db 29544 CTATTCATATATATAACGTTGCACAGAGCGGGCGGTGTGGGTTTT 29499
RESULT 3
US-09-464-767-3
; Sequence 3, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Both, Gerald
; APPLICANT: Boyle, David
; APPLICANT: Vratil, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vector
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 32745
; TYPE: DNA
; ORGANISM: synthetic construct
US-09-464-767-3
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Best Local Similarity 100.0%; Pred. No. 1.6e-08;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 CTATTCATATATATAACGTTGCACAGAGCGGGCGGTGTGGGTTTT 46
RESULT 4
US-09-464-767-3/c
; Sequence 3, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Both, Gerald
; APPLICANT: Boyle, David
; APPLICANT: Vratil, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vector
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 32745
; TYPE: DNA
; ORGANISM: synthetic construct
US-09-464-767-3/c
Query Match 100.0%; Score 46; DB 9; Length 32745;
Best Local Similarity 100.0%; Pred. No. 1.6e-08;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CTATTCATATATATAACGTTGCACAGAGCGGGCGGTGTGGGTTTT 46
Db 1 CTATTCATATATATAACGTTGCACAGAGCGGGCGGTGTGGGTTTT 46
RESULT 5
US-10-027-632-111603
; Sequence 111603, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 111603
; LENGTH: 2779
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-111603
Query Match 53.9%; Score 24.8; DB 13; Length 2779;
Best Local Similarity 72.7%; Pred. No. 6.3;
Matches 32; Conservative 0; Mismatches 12; Indels 0; Gaps 0;
QY 3 ATTTCATATATATAACGTTGCACAGAGCGGGCGGTGTGGGTTTT 46
Db 1972 ATTAAATTATATACGCTTCACAAAGAGGGGGGCGAAGGTTTT 2015
RESULT 6
US-10-027-632-111603
; Sequence 111603, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
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; TYPE: DNA
; ORGANISM: synthetic construct
US-09-464-767-3
Query Match 100.0%; Score 46; DB 9; Length 32745;
Best Local Similarity 100.0%; Pred. No. 1.6e-08;
Matches 46; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CTATTCATATATATAACGTTGCACAGAGCGGGCGGTGTGGGTTTT 46
Db 29574 CTATTCATATATATAACGTTGCACAGAGCGGGCGGTGTGGGTTTT 29529
RESULT 5
US-10-027-632-111603
; Sequence 111603, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-111603
Query Match 53.9%; Score 24.8; DB 13; Length 2779;
Best Local Similarity 72.7%; Pred. No. 6.3;
Matches 32; Conservative 0; Mismatches 12; Indels 0; Gaps 0;
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Db 1972 ATTAAATTATATACGCTTCACAAAGAGGGGGGCGAAGGTTTT 2015
RESULT 6
US-10-027-632-111603
; Sequence 111603, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
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; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 111603
; LENGTH: 2779
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-111603

Query Match          53.9%; Score 24.8; DB 17; Length 2779;
Best Local Similarity 72.7%; Pred. No. 6.3;
Matches 32; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

Qy 3 ATTCAATATATATAACGTTGCACAGAGCGGGCGGTGTGGGTTTT 46
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Db 1972 ATTAATATATATGACGCTTCACAAAGGAGGGGGCGGAAGGTTTT 2015

RESULT 7
US-10-311-455-1351
; Sequence 1351, Application US/10311455
; Publication No. US20030143606A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determining the Methylation of Cytosine
; TITLE OF INVENTION: cytosine methylation
; FILE REFERENCE: 5013.1014
; CURRENT APPLICATION NUMBER: US/10/311,455
; CURRENT FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCT/EP01/07537
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 2424
; SEQ ID NO 1351
; LENGTH: 5443
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-1351

Query Match          49.6%; Score 22.8; DB 15; Length 5443;
Best Local Similarity 71.4%; Pred. No. 49;
Matches 30; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

Qy 4 TTCATATATATAACGTTGCACAGAGCGGGCGGTGTGGGTTTT 45
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Db 3861 TTGCTTTAAGAAATTTAAAGAGCGGGCGGTAGTGGTTT 3902

RESULT 8
US-10-027-632-18281/c
; Sequence 18281, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006

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US-10-027-632-18283/c
; Sequence 18283, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 18283
; LENGTH: 734
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-18283

Query Match          49.1%; Score 22.6; DB 13; Length 734;
Best Local Similarity 75.7%; Pred. No. 39;
Matches 28; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY  2 TATTCATATATATAACGTTGCACAGGCGGGCGGTG 38
    ||| ||||| ||||| ||||| ||||| ||||| |||||
Db   130 TATACATATATTTAAACGTGGCACCCCTGGAGTGGGGTG 94

RESULT 11
US-10-027-632-18281/c
; Sequence 18281, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 18281
; LENGTH: 734
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-18281
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Query Match          49.1%; Score 22.6; DB 17; Length 734;
Best Local Similarity 75.7%; Pred. No. 39;
Matches 28; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY  2 TATTCATATATATAACGTTGCACAGGCGGGCGGTG 38
    ||| ||||| ||||| ||||| ||||| ||||| |||||
Db   130 TATACATATATTTAAACGTGGCACCCCTGGAGTGGGGTG 94

RESULT 12
US-10-027-632-18282/c
; Sequence 18282, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 18282
; LENGTH: 734
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-18282

Query Match          49.1%; Score 22.6; DB 17; Length 734;
Best Local Similarity 75.7%; Pred. No. 39;
Matches 28; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY  2 TATTCATATATATAACGTTGCACAGGCGGGCGGTG 38
    ||| ||||| ||||| ||||| ||||| ||||| |||||
Db   130 TATACATATATTTAAACGTGGCACCCCTGGAGTGGGGTG 94

RESULT 13
US-10-027-632-18283/c
; Sequence 18283, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 27, 2005, 06:43:34 ; Search time 114.947 Seconds
(without alignments)
7117.524 Million cell updates/sec

Title: US-09-464-767A-3_COPY_1_500

Perfect score: 500
Sequence: 1 cttatcatatataacgtt.....tcttaaaataagcccaacc 500

Scoring table: OLIGO_NUC
Gapop_60.0 , Gapext 60.0

Searched: 1202784 seqs, 818139359 residues

Word size : 0

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Issued Patents NA: *
1: /cgn2_6/prodata/1/ina/5A COMB.seq: *
2: /cgn2_6/prodata/1/ina/5B COMB.seq: *
3: /cgn2_6/prodata/1/ina/6A COMB.seq: *
4: /cgn2_6/prodata/1/ina/6B COMB.seq: *
5: /cgn2_6/prodata/1/ina/PCTUS COMB.seq: *
6: /cgn2_6/prodata/1/ina/backfiles1.seq: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	23	4.6	18534	4	US-09-949-016-13519
2	21	4.2	1455	4	US-09-252-991A-7678
3	21	4.2	1485	4	US-09-252-991A-7528
C 4	21	4.2	3342	4	US-09-252-991A-7814
C 5	20	4.0	1570	4	US-09-949-016-3206
C 6	20	4.0	2889	4	US-09-016-434-1192
C 7	20	4.0	4874	4	US-09-976-594-930
C 8	20	4.0	41863	4	US-09-949-016-14948
C 9	20	4.0	49440	4	US-09-949-016-14150
C 10	20	4.0	392000	4	US-10-027-983-11
C 11	20	4.0	451924	4	US-09-949-016-12896
C 12	20	4.0	451925	4	US-09-949-016-17305
C 13	19	3.8	601	4	US-09-949-016-37859
C 14	19	3.8	601	4	US-09-949-016-37860
C 15	19	3.8	601	4	US-09-949-016-64105
C 16	19	3.8	601	4	US-09-949-016-64106
C 17	19	3.8	601	4	US-09-949-016-77284
C 18	19	3.8	601	4	US-09-949-016-77285
C 19	19	3.8	2408	4	US-09-270-767-13454
C 20	19	3.8	22205	4	US-09-949-016-16199
C 21	19	3.8	32104	4	US-09-949-016-14722
C 22	19	3.8	49212	4	US-09-949-016-12494
C 23	19	3.8	49220	4	US-09-949-016-14726
C 24	19	3.8	50073	4	US-09-949-016-16026
C 25	19	3.8	95318	4	US-09-949-016-11784
C 26	19	3.8	95318	4	US-09-949-016-13998
C 27	19	3.8	96074	4	US-09-949-016-12960

28	19	3.8	96074	4	US-09-949-016-13611	Sequence 13611, A
29	19	3.8	133278	4	US-09-949-016-12524	Sequence 12524, A
C 30	19	3.8	300402	4	US-09-949-016-13632	Sequence 13632, A
31	19	3.8	374159	4	US-09-949-016-15868	Sequence 15868, A
32	18	3.6	473	4	US-09-270-767-28102	Sequence 28102, A
33	18	3.6	495	4	US-09-621-976-15372	Sequence 15372, A
C 34	18	3.6	552	4	US-09-270-767-8781	Sequence 8781, Ap
C 35	18	3.6	552	4	US-09-270-767-24063	Sequence 24063, A
C 36	18	3.6	601	4	US-09-949-016-57234	Sequence 57234, A
C 37	18	3.6	601	4	US-09-949-016-66582	Sequence 66582, A
38	18	3.6	601	4	US-09-949-016-88650	Sequence 88650, A
39	18	3.6	601	4	US-09-949-016-88651	Sequence 88651, A
40	18	3.6	601	4	US-09-949-016-88652	Sequence 88652, A
41	18	3.6	601	4	US-09-949-016-180768	Sequence 180768, A
42	18	3.6	601	4	US-09-949-016-180769	Sequence 180769, A
43	18	3.6	601	4	US-09-949-016-180770	Sequence 180770, A
44	18	3.6	601	4	US-09-949-016-180771	Sequence 180771, A
45	18	3.6	601	4	US-09-949-016-180772	Sequence 180772, A

ALIGNMENTS

RESULT 1

US-09-949-016-13519
; Sequence 13519, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13519
; LENGTH: 18534
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13519

Query Match 4.6%; Score 23; DB 4; Length 18534;
Best Local Similarity 100.0%; Pred. No. 0.3;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 213 TACTTTAAAAAGCTTAATTTTTT 235
DB 9869 TACTTTAAAAAGCTTAATTTTTT 9891

RESULT 2

US-09-252-991A-7678
; Sequence 7678, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107195.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142

```
; SEQ ID NO 7678
; LENGTH: 1455
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (604)
; OTHER INFORMATION: Identity of nucleotide at the above locations are unknown.
US-09-252-991A-7678

Query Match          4.2%; Score 21; DB 4; Length 1455;
Best Local Similarity 100.0%; Pred. No. 2.6;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 297 GTGTTCTGCTGATGCCGCTG 317
    |||||
Db 563 GTGTTCTGCTGATGCCGCTG 583

RESULT 3
US-09-252-991A-7528
; Sequence 7528, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 7528
; LENGTH: 1485
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (696)
; OTHER INFORMATION: Identity of nucleotide at the above locations are unknown.
US-09-252-991A-7528

Query Match          4.2%; Score 21; DB 4; Length 1485;
Best Local Similarity 100.0%; Pred. No. 2.6;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 297 GTGTTCTGCTGATGCCGCTG 317
    |||||
Db 655 GTGTTCTGCTGATGCCGCTG 675

RESULT 4
US-09-252-991A-7814/c
; Sequence 7814, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 7814
; LENGTH: 3342
; TYPE: DNA

; ORGANISM: Pseudomonas aeruginosa
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1036)
; OTHER INFORMATION: Identity of nucleotide at the above locations are unknown.
US-09-252-991A-7814

Query Match          4.2%; Score 21; DB 4; Length 3342;
Best Local Similarity 100.0%; Pred. No. 2.7;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 297 GTGTTCTGCTGATGCCGCTG 317
    |||||
Db 1077 GTGTTCTGCTGATGCCGCTG 1057

RESULT 5
US-09-949-016-3206/c
; Sequence 3206, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 3206
; LENGTH: 1570
; TYPE: DNA
; ORGANISM: Human
; OTHER INFORMATION:
US-09-949-016-3206

Query Match          4.0%; Score 20; DB 4; Length 1570;
Best Local Similarity 100.0%; Pred. No. 8;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 152 ACTTCACATGATATTTTACT 171
    |||||
Db 124 ACTTCACATGATATTTTACT 105

RESULT 6
US-09-016-434-1192/c
; Sequence 1192, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
```

, APPLICATION NUMBER: US/09/016,434
 , FILING DATE: HEREWITH
 , CLASSIFICATION:
 , PRIOR APPLICATION DATA:
 , APPLICATION NUMBER:
 , FILING DATE:
 , CLASSIFICATION:
 , ATTORNEY/AGENT INFORMATION:
 , NAME: Zeller, Karen J.
 , REGISTRATION NUMBER: 37,071
 , REFERENCE/DOCKET NUMBER: PA-0002 US
 , TELECOMMUNICATION INFORMATION:
 , TELEPHONE: (650) 855-0555
 , TELEFAX: (650) 845-4166
 , INFORMATION FOR SEQ ID NO: 1192:
 , SEQUENCE CHARACTERISTICS:
 , LENGTH: 2889 base pairs
 , TYPE: nucleic acid
 , STRANDEDNESS: single
 , TOPOLOGY: linear
 , IMMEDIATE SOURCE:
 , LIBRARY: GENBANK
 , CLONE: g180463
 , US-09-016-434-1192

Query Match 4.0%; Score 20; DB 4; Length 2889;
Best Local Similarity 100.0%; Pred. No. 8.1;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	152	ACTTCACATGATATTTTACT	171
Db	1457	ACTTCACATGATATTTTACT	1438

RESULT 7
US-09-976-594-930/c
; Sequence 930, Application US/09976594

```

; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 930
; LENGTH: 4874
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6673549 1530186CBI
; NAME/KEY: unsure
; LOCATION: 4822
; OTHER INFORMATION: a, t, c, g, or other
US-09-976-594-930

```

Query Match 4.0%; Score 20; DB 4; Length 4874;
Best Local Similarity 100.0%; Pred. No. 8.1;
Matches 20; Conservative 0; Mismatches 0; Indels

Qy 92 TCTTATTACAAATTCCTTT 111
|||||
Db 59 TCTTATTACAAATTCCTTT 40

RESULT 8
US-09-949-016-14948/c
; Sequence 14948, Application US/09949016

```

; Patent NO. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14948
; LENGTH: 41863
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-14948

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Query Match 4.0%; Score 20; DB 4; Length 41863;
Best Local Similarity 100.0%; Pred. No. 8.4;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 152 ACTTCACATGATATTTTACT 171
|||
Db 2124 ACTTCACATGATATTTTACT 210

RESULT 9

US-09-949-016-14150/c
; Sequence 14150, Application US/09949016
; Patent No. 6812339

```

: GENERAL INFORMATION:
: APPLICANT: VENTER, J. Craig et al.
: TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
: FILE REFERENCE: C0001307
: CURRENT APPLICATION NUMBER: US/09/949,016
: CURRENT FILING DATE: 2000-04-14
: PRIOR APPLICATION NUMBER: 60/241,755
: PRIOR FILING DATE: 2000-10-20
: PRIOR APPLICATION NUMBER: 60/237,768
: PRIOR FILING DATE: 2000-10-03
: PRIOR APPLICATION NUMBER: 60/231,498
: PRIOR FILING DATE: 2000-09-08
: NUMBER OF SEQ ID NOS: 207012
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 14150
: LENGTH: 49440
: TYPE: DNA
: ORGANISM: Human
: US-09-949-016-14150

```

```
Query Match      4.0%; Score 20; DB 4; Length 49440;
Best Local Similarity 100.0%; Pred. No. 8.4;
Matches 20: Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

QY 152 ACTTCACATGATATTTTACT 171
 |||||
 db 48422 ACTTCACATGATATTTTACT 48403

RESULT 10

US-10-027-983-11
; Sequence 11, Application US/10027983
; Patent No. 6617162

;
; GENERAL INFORMATION:
; APPLICANT: Kenneth W. Dobie
; APPLICANT: Mark P. Roach

TITLE OF INVENTION: ANTISENSE MODULATION OF ESTROGEN RECEPTOR ALPHA EXPRESSION

```
; FILE REFERENCE: RTS-0340
; CURRENT APPLICATION NUMBER: US/10/027,983
; CURRENT FILING DATE: 2001-12-18
; NUMBER OF SEQ ID NOS: 98
; SEQ ID NO 11
; LENGTH: 392000
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 137740
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 137742
; OTHER INFORMATION: unknown
; NAME/KEY: misc feature
; LOCATION: (138122)...(138221)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: unsure
; LOCATION: 145507
; OTHER INFORMATION: unknown
; NAME/KEY: unsure
; LOCATION: 151967
; OTHER INFORMATION: unknown
; NAME/KEY: misc feature
; LOCATION: (151967)...(1542066)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: unsure
; LOCATION: 154217
; OTHER INFORMATION: unknown
; NAME/KEY: misc feature
; LOCATION: (164037)...(164136)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc feature
; LOCATION: (174657)...(174756)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc feature
; LOCATION: (186224)...(186323)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc feature
; LOCATION: (195242)...(195341)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: unsure
; LOCATION: 202703
; OTHER INFORMATION: unknown
; NAME/KEY: misc feature
; LOCATION: (202771)...(202870)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc feature
; LOCATION: (206246)...(215602)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc feature
; LOCATION: (218126)...(218225)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc feature
; LOCATION: (220360)...(220459)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc feature
; LOCATION: (222717)...(222816)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc feature
; LOCATION: (223981)...(224080)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc feature
; LOCATION: (227487)...(227586)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc feature
; LOCATION: (230157)...(230256)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc feature
; LOCATION: (232299)...(232398)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc feature
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; LOCATION: (236552)...(2366651)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: misc feature
; LOCATION: (238789)...(248788)
; OTHER INFORMATION: n = A,T,C or G
; NAME/KEY: exon
; LOCATION: (118288)...(119101)
; OTHER INFORMATION: exon 1C
; NAME/KEY: exon:intron junction
; LOCATION: (151129)...(151130)
; OTHER INFORMATION: exon 5:intron 5
; NAME/KEY: exon:intron junction
; LOCATION: (299248)...(299249)
; OTHER INFORMATION: exon 9:intron 9
; NAME/KEY: exon:intron junction
; LOCATION: (348578)...(348579)
; OTHER INFORMATION: exon 10:intron 10
; NAME/KEY: intron
; LOCATION: (348579)...(381838)
; OTHER INFORMATION: intron 10
; NAME/KEY: intron:exon junction
; LOCATION: (386185)...(386186)
; OTHER INFORMATION: intron 11:exon 12
; US-10-027-983-11
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Query Match 4.0%; Score 20; DB 4; Length 392000;
Best Local Similarity 100.0%; Pred. No. 8.7;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 274 AGCAGGAGGCCATTGTAA 293
Db 111048 AGCAGGAGGCCATTGTAA 111067
```

RESULT 11

```
US-09-949-016-12896/c
; Sequence 12896, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12896
; LENGTH: 451924
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-12896
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Query Match 4.0%; Score 20; DB 4; Length 451924;
Best Local Similarity 100.0%; Pred. No. 8.7;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 220 AAAAGTTAAATTTTTTTTTT 239
Db 104229 AAAAGTTAAATTTTTTTTTT 104210
```

RESULT 12

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US-09-949-016-17305/c
; Sequence 17305, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
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; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17305
; LENGTH: 451925
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-17305

Query Match 4.0%; Score 20; DB 4; Length 451925;
Best Local Similarity 100.0%; Pred. No. 8.7;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 220 AAAAGTTAAATTTTTTTTTT 239
Db 104229 AAAAGTTAAATTTTTTTTTT 104210

RESULT 13
US-09-949-016-37859
; Sequence 37859, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 37859
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-37859

Query Match 3.8%; Score 19; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 221 AAAAGTTAAATTTTTTTTTT 239
Db 292 AAAAGTTAAATTTTTTTTTT 310

RESULT 14
US-09-949-016-37860
; Sequence 37860, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 37860
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-37860

Query Match 3.8%; Score 19; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 221 AAAAGTTAAATTTTTTTTTT 239
Db 141 AAAAGTTAAATTTTTTTTTT 159

RESULT 15
US-09-949-016-64105
; Sequence 64105, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 64105
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-64105

Query Match 3.8%; Score 19; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 221 AAAAGTTAAATTTTTTTTTT 239
Db 292 AAAAGTTAAATTTTTTTTTT 310

Search completed: September 27, 2005, 07:59:06
Job time : 117.947 secs

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	Query Match	Best Local Similarity	Matches 500;	Conservative	100.0%;	Score 500;	DB 9;	Length 29544;
		100.0%;	Pred. No. 5.8e-232;	Mismatches 0;	Indels 0;	Gaps 0		
Qy	1	CTATTCAATATATAACGTTGCACAGAGCGGGCGGTGGGTTTTTTATTGTTATTGT	60					
Db	1	CTATTCAATATATAACGTTGCACAGAGCGGGCGGTGGGTTTTTTATTGTTATTGT	60					
Qy	61	CATGGAAATTTACAAGAGTAAGTTGTTGGATCTTTATTACAATTCTTTTAAACAATGAC	120					

Db 29574 CTATTCATATATACGTTGCACAGCGCGGTGTGGGTTTT 29529
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RESULT 5
US-10-425-115-54772/c
; Sequence 54772, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 54772
; LENGTH: 263
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(263)
; OTHER INFORMATION: unsure at all n locations
; FEATURE:
; OTHER INFORMATION: Clone ID: MR14577_149950C.1
US-10-425-115-54772

Query Match 4.8%; Score 24; DB 20; Length 263;
Best Local Similarity 100.0%; Pred. No. 0.46;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 216 TTTAAAAAGTTAAATTTTTTTTTT 239
|||||

Db 43 TTTAAAAAGTTAAATTTTTTTTTT 20
|||||

RESULT 6
US-10-425-115-152970/c
; Sequence 152970, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 152970
; LENGTH: 330
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MR14577_71092C.1
US-10-425-115-152970

Query Match 4.6%; Score 23; DB 20; Length 330;
Best Local Similarity 100.0%; Pred. No. 1.4;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 216 TTTAAAAAGTTAAATTTTTTTTTT 238
|||||

Db 35 TTTAAAAAGTTAAATTTTTTTTTT 13
|||||

RESULT 7

US-10-311-455-12
; Sequence 12, Application US/10311455
; Publication No. US20030143606A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determining
; FILE REFERENCE: 5013.1014
; CURRENT APPLICATION NUMBER: US/10/311,455
; CURRENT FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCT/EP01/07537
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 2424
; SEQ ID NO 12
; LENGTH: 6164
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; NAME/KEY: unsure
; LOCATION: 4256
; OTHER INFORMATION: n is a or g or c or t
US-10-311-455-12

Query Match 4.2%; Score 21; DB 15; Length 6164;
Best Local Similarity 100.0%; Pred. No. 16;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 220 AAAAGTTAAATTTTTTTTTT 240
|||||

Db 5994 AAAAGTTAAATTTTTTTTTT 6014
|||||

RESULT 8
US-10-021-323-11156/c
; Sequence 11156, Application US/10021323
; Publication No. US20040123340A1
; GENERAL INFORMATION:
; APPLICANT: Deikman, Jill
; APPLICANT: Feng, Paul C.C.
; APPLICANT: Fincher, Karen L.
; APPLICANT: Ziegler, Todd E.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(52274)B
; CURRENT APPLICATION NUMBER: US/10/021,323
; CURRENT FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: US 60/255, 619
; PRIOR FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 17880
; SEQ ID NO 11156
; LENGTH: 332
; TYPE: DNA
; ORGANISM: Gossypium hirsutum
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3828-034-Q6-N6-DB
US-10-021-323-11156

Query Match 4.0%; Score 20; DB 19; Length 332;
Best Local Similarity 100.0%; Pred. No. 41;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 217 TTTAAAAAGTTAAATTTTTTTT 236
|||||

Db 302 TTTAAAAAGTTAAATTTTTTTT 283
|||||

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RESULT 9
US-09-960-352-9750
; Sequence 9750, Application US/09960352
; Patent No. US20020137139A1
; GENERAL INFORMATION:
; APPLICANT: Warren, Wesley C.
; APPLICANT: Tao, Mengbing
; APPLICANT: Byatt, John C.
; APPLICANT: Mathalegan, Negappan
; TITLE OF INVENTION: NUCLEIC ACID AND OTHER MOLECULES ASSOCIATED WITH LACTATION AND
; FILE REFERENCE: 16511.006/37-21(10298)C
; CURRENT FILING DATE: 2001-09-24
; NUMBER OF SEQ ID NOS: 15112
; SEQ ID NO 9750
; LENGTH: 423
; TYPE: DNA
; ORGANISM: Bos taurus
; OTHER INFORMATION: Clone ID: 42-LIB3057-020-Q1-K1-C10
US-09-960-352-9750

Query Match          4.0%; Score 20; DB 9; Length 423;
Best Local Similarity 100.0%; Pred. No. 41;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 230 TTTTTCATTAACGCATAAA 249
Db 328 TTTTTCATTAACGCATAAA 347

RESULT 10
US-09-764-860-236/c
; Sequence 236, Application US/09764860
; Patent No. US20020094953A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC008
; CURRENT APPLICATION NUMBER: US/09/764,860
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1198
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 236
; LENGTH: 589
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (469)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (539)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (549)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (564)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (575)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-764-860-236

Query Match          4.0%; Score 20; DB 9; Length 589;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 92 TCTTTATTCACAATTCCTTT 111
Db 92 TCTTTATTCACAATTCCTTT 111

RESULT 11
US-10-074-095-236/c
; Sequence 236, Application US/10074095
; Publication No. US2003007704A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC008C1
; CURRENT APPLICATION NUMBER: US/10/074,095
; CURRENT FILING DATE: 2002-02-14
; Prior application number: 09/764,860
; Prior Filing Date: 2001-01-17
; Prior Application Number: 60/179,065
; Prior Filing Date: 2000-01-31
; Prior Application Number: 60/180,628
; Prior Filing Date: 2000-02-04
; Prior Application Number: 60/214,886
; Prior Filing Date: 2000-06-28
; Prior Application Number: 60/217,487
; Prior Filing Date: 2000-07-11
; Prior Application Number: 60/225,758
; Prior Filing Date: 2000-08-14
; Prior Application Number: 60/220,963
; Prior Filing Date: 2000-07-26
; Prior Application Number: 60/217,496
; Prior Filing Date: 2000-07-11
; Prior Application Number: 60/225,447
; Prior Filing Date: 2000-08-14
; Prior Application Number: 60/218,290
; Prior Filing Date: 2000-07-14
; Prior Application Number: 60/225,757
; Prior Filing Date: 2000-08-14
; Prior Application Number: 60/226,868
; Prior Filing Date: 2000-08-22
; Prior Application Number: 60/216,647
; Prior Filing Date: 2000-07-07
; Prior Application Number: 60/225,267
; Prior Filing Date: 2000-08-14
; Prior Application Number: 60/216,880
; Prior Filing Date: 2000-07-07
; Prior Application Number: 60/225,270
; Prior Filing Date: 2000-08-14
; Prior Application Number: 60/251,869
; Prior Filing Date: 2000-12-08
; Prior Application Number: 60/235,834
; Prior Filing Date: 2000-09-27
; Prior Application Number: 60/234,274
; Prior Filing Date: 2000-09-21
; Prior Application Number: 60/234,223
; Prior Filing Date: 2000-09-21
; Prior Application Number: 60/228,924
; Prior Filing Date: 2000-08-30
; Prior Application Number: 60/224,518
; Prior Filing Date: 2000-08-14
; Prior Application Number: 60/236,369
; Prior Filing Date: 2000-09-29
; Prior Application Number: 60/224,519
; Prior Filing Date: 2000-08-14
; Prior Application Number: 60/220,964
; Prior Filing Date: 2000-07-26
; Prior Application Number: 60/241,809
; Prior Filing Date: 2000-10-20
; Prior Application Number: 60/249,299
; Prior Filing Date: 2000-11-17
; Prior Application Number: 60/236,327
; Prior Filing Date: 2000-09-29
; Prior Application Number: 60/241,785
; Prior Filing Date: 2000-10-20
; Prior Application Number: 60/244,617
; Prior Filing Date: 2000-11-01
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; PRIOR APPLICATION NUMBER: 60/225,268
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/236,368
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/251,856
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/251,868
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/229,344
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/234,997
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: 60/229,343
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/229,345
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/229,287
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/229,513
; PRIOR FILING DATE: 2000-09-05
; PRIOR APPLICATION NUMBER: 60/231,413
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/229,509
; PRIOR FILING DATE: 2000-09-05
; PRIOR APPLICATION NUMBER: 60/236,367
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/237,039
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/237,038
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/236,370
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/236,802
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/237,037
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/237,040
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/240,960
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/239,935
; PRIOR FILING DATE: 2000-10-13
; PRIOR APPLICATION NUMBER: 60/239,937
; PRIOR FILING DATE: 2000-10-13
; PRIOR APPLICATION NUMBER: 60/241,787
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/246,474
; PRIOR FILING DATE: 2000-11-08
; PRIOR APPLICATION NUMBER: 60/246,532
; PRIOR FILING DATE: 2000-11-08
; PRIOR APPLICATION NUMBER: 60/249,216
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,210
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/226,681
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 60/225,759
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/225,213
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/227,182
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 60/225,214
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/235,836
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/230,438
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/215,135
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: 60/225,266
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/249,218

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; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,208
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,213
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,212
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,207
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,245
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,244
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,217
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,211
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,215
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,264
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,214
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/249,297
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/232,400
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 60/231,242
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/232,081
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/232,080
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/231,414
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/231,244
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/233,064
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 60/233,063
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 60/232,397
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 60/232,399
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 60/232,401
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 60/241,808
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/241,826
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/241,786
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/241,221
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/246,475
; PRIOR FILING DATE: 2000-11-08
; PRIOR APPLICATION NUMBER: 60/231,243
; PRIOR FILING DATE: 2000-09-08

Query Match 4.0%; Score 20; DB 14; Length 589;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 92 TCTTTATTCAAAATCTTTT 111
DB 28 TCTTTATTCAAAATCTTTT 9

RESULT 12
US-10-212-872-236/c
; Sequence 236, Application US/10212872
; Publication No. US20030215893A1

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; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC008C2
; CURRENT APPLICATION NUMBER: US/10/212,872
; CURRENT FILING DATE: 2002-08-07
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 1198
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 236
; LENGTH: 589
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (539)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (549)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (564)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (575)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-212-872-236

Query Match          4.0%; Score 20; DB 17; Length 589;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 92 TCCTTATTCAAAATTCCTTT 111
Db 28 TCCTTATTCAAAATTCCTTT 9
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RESULT 13
US-10-027-632-20777/c
; Sequence 207777, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 207777
; LENGTH: 596
; TYPE: DNA
; ORGANISM: Human
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; TYPE: DNA
; ORGANISM: Human
US-10-027-632-207777

Query Match          4.0%; Score 20; DB 13; Length 596;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 161 GATATTTTACTTAAATTTTG 180
Db 53 GATATTTTACTTAATTTTG 34

RESULT 14
US-10-027-632-207778/c
; Sequence 207778, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 207778
; LENGTH: 596
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-207778

Query Match          4.0%; Score 20; DB 13; Length 596;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 161 GATATTTTACTTAAATTTTG 180
Db 53 GATATTTTACTTAATTTTG 34

RESULT 15
US-10-027-632-207777/c
; Sequence 207777, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
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; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 207777
; LENGTH: 596
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-20777
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Query Match      4.0%; Score 20; DB 17; Length 596;
Best Local Similarity 100.0%; Pred. No. 42;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      161 GATATTTTACTTAAATTTG 180
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Db       53 GATATTTTACTTAAATTTG 34
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Job time : 773.106 secs
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 26, 2005, 09:25:56 ; Search time 114.751 Seconds
(without alignments)
7129.691 Million cell updates/sec

Title: US-09-464-767A-3_COPY_1_500
Perfect score: 500
Sequence: 1 ctattcatatataacgtt.....tcttaaaataagcccaacc 500

Scoring table: IDENTITY NUC
Gapop 10_0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 240568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA.*
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3: /cgn2_6/prodata/1/ina/6A COMB.seq.*
4: /cgn2_6/prodata/1/ina/6B COMB.seq.*
5: /cgn2_6/prodata/1/ina/6C COMB.seq.*
6: /cgn2_6/prodata/1/ina/backfileseq.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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C 1	50.2	10.0	665	2	US-08-883-795A-36
C 2	49.4	9.9	612	4	US-09-902-540-1357
C 3	49.2	9.8	19124	2	US-08-487-826B-13
C 4	46.4	9.3	615	3	US-08-998-416-186
C 5	46.4	9.3	6243	2	US-09-056-075-1
C 6	45.8	9.2	59519	4	US-09-949-016-13504
C 7	45.6	9.1	5156	2	US-09-091-432-3
C 8	45.6	9.1	5156	4	US-09-387-663-3
C 9	45.2	9.1	5156	4	US-09-214-139B-3
C 10	45.2	9.0	1192	4	US-09-439-554-23
C 11	45	9.0	601	4	US-09-949-016-132805
C 12	44.8	9.0	822	3	US-09-134-001C-179
C 13	44.6	8.9	1039	4	US-09-902-540-1280
C 14	44.2	8.8	209210	4	US-09-949-016-15094
C 15	43.8	8.8	601	4	US-09-949-016-132806
C 16	43.8	8.8	20935	4	US-09-949-016-15383
C 17	43.8	8.8	194714	4	US-09-949-016-11869
C 18	43.8	8.8	196714	4	US-09-949-016-15474
C 19	43.4	8.7	601	4	US-09-949-016-128553
C 20	43.2	8.6	17082	4	US-09-949-016-14893
C 21	43.2	8.6	187169	4	US-09-949-016-12776
C 22	43.2	8.6	191569	4	US-09-949-016-15940
C 23	43.2	8.6	254366	4	US-09-822-871-3
C 24	43	8.6	5852	1	US-07-867-106-2
C 25	42.8	8.6	1141	4	US-09-806-708B-22
C 26	42.8	8.6	7358	3	US-09-058-483-8
C 27	42.8	8.6	7633	3	US-09-028-851-1
C 28	42.8	8.6	7633	3	US-08-883-795A-36
C 29	42.8	8.6	7633	3	US-09-273-163-1
C 30	42.6	8.5	640681	4	US-09-790-988-1
C 31	42.4	8.5	317366	4	US-09-949-016-16001
C 32	42	8.4	466	4	US-09-621-976-16107
C 33	42	8.4	5173	1	US-08-242-677-1
C 34	42	8.4	31078	4	US-09-949-016-14435
C 35	42	8.4	101674	4	US-09-949-016-12033
C 36	41.8	8.4	1536	4	US-09-328-352-2239
C 37	41.8	8.4	3237	4	US-09-248-796A-6181
C 38	41.8	8.4	4818	3	US-08-817-926-27
C 39	41.8	8.4	54444	4	US-09-949-016-17344
C 40	41.8	8.4	247299	4	US-09-949-016-17590
C 41	41.6	8.3	250352	4	US-09-949-016-14724
C 42	41.6	8.3	601	4	US-09-949-016-55453
C 43	41.6	8.3	33498	4	US-09-949-016-11982
C 44	41.6	8.3	33551	4	US-09-949-016-16666
C 45	41.6	8.3	121384	4	US-09-949-016-16944

ALIGNMENTS

RESULT 1
US-08-883-795A-36/c
; Sequence 36, Application US/08883795A
; Patent No. 5985607
; GENERAL INFORMATION:
; APPLICANT: Delcuve, Genevieve
; APPLICANT: Awang, Gregor
; TITLE OF INVENTION: Recombinant DNA Molecules and Expression
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BERESKIN & PARR
; STREET: 40 King Street West
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5H 3Y2
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/883,795A
; FILING DATE: 27-JUN-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Gravelle, Micheline
; REGISTRATION NUMBER: 40,261
; REFERENCE/DOCKET NUMBER: 7841-062
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 364-7311
; TELEFAX: (416) 361-1398
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 665 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; ORIGINAL SOURCE: Homo sapiens
; ORGANISM: Homo sapiens
; IMMEDIATE SOURCE:
; CLONE: Rh 32
; US-08-883-795A-36

Query Match 10.0%; Score 50.2; DB 2; Length 665;
Best Local Similarity 53.9%; Pred. No. 0.0075;
Matches 103; Conservative 0; Mismatches 88; Indels 0; Gaps 0;


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STREET: 3054 Cornwallis Road
CITY: Research Triangle Park
STATE: No. 6239264th Carolina
COUNTRY: USA
ZIP: 27709
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/998,416
FILING DATE: 24-DEC-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: CH 0016/97
FILING DATE: 31-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Meigs, J. Timothy
REGISTRATION NUMBER: 38,241
REFERENCE/DOCKET NUMBER: PF/5-30306/A/CGC1976
TELEPHONE: 919-541-8587
TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO: 186:
SEQUENCE CHARACTERISTICS:
LENGTH: 615 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: PAG1074RP
US-08-998-416-186

Query Match 9.3%; Score 46.4; DB 3; Length 615;
Best Local Similarity 51.4%; Pred. No. 0.061;
Matches 107; Conservative 0; Mismatches 101; Indels 0; Gaps 0;

QY 43 TTTTATTGTTTATGTCATGGAATTTACAAGAGTAAGTTGTTGGATCTTTATTCAC 102
DB 394 TATTATAATATCTATTTTATAAATATATGTTGATATATTAATTAATTAAG 453
QY 103 AATCTTTTAAACAATGACCTTTTACTTATTAACATTTTTCATCTTTTACTTCACATGA 162
DB 454 AATTATTATAAATTAATTTTAACTTAACTTAACTTAACTTAACTTAACTTAACTTAA 513
QY 163 TATTTTACTTAATTTTGTACATACAGCAAAATTCGCATAAAATGCTTACTTTAA 222
DB 514 TAAATTAATATTCATTTTATTTATTTATTTATTTATTTATTTATTTATTTATTTATTT 573
QY 223 AGTTAAATTTTATTTTAAAGCATAAAT 250
DB 574 TTAATCATTAATTAATTAATTAATTAAT 601

RESULT 5
US-09-056-075-1/c
Sequence 1, Application US/09056075
Patent No. 5955368
GENERAL INFORMATION:
APPLICANT: Johnson, Eric A.
APPLICANT: Bradshaw, Marite
APPLICANT: Rood, Julian
TITLE OF INVENTION: Expression System for Clostridium
TITLE OF INVENTION: Species
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESS: 1 South Pinckney Street
CITY: Madison
STATE: WI
COUNTRY: US

STREET: 3054 Cornwallis Road
CITY: Research Triangle Park
STATE: No. 6239264th Carolina
COUNTRY: USA
ZIP: 27709
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/998,416
FILING DATE: 24-DEC-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: CH 0016/97
FILING DATE: 31-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Meigs, J. Timothy
REGISTRATION NUMBER: 38,241
REFERENCE/DOCKET NUMBER: PF/5-30306/A/CGC1976
TELEPHONE: 919-541-8587
TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO: 186:
SEQUENCE CHARACTERISTICS:
LENGTH: 615 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: PAG1074RP
US-08-998-416-186

Query Match 9.3%; Score 46.4; DB 2; Length 6243;
Best Local Similarity 52.6%; Pred. No. 0.12;
Matches 101; Conservative 0; Mismatches 91; Indels 0; Gaps 0;

QY 47 TTTTGTATGTCATGGAATTTACAAGAGTAAGTTGTTGGATCTTTATTCACAAAT 106
DB 1477 TCAATTTTATATTCCTTTCTTCAAAGATTATATATATAATAAAATTTTTCACAACT 1418
QY 107 CTTTAAACAATGACCTTTTACTTATTAACATTTTTCATCTTTTACTTCACATGATAT 166
DB 1417 TAAATAAATAATTTTATTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 1358
QY 167 TTACTTAAATTTTACATACAGCAAAATTCGCATAAAATGCTTACTTTAAAGAT 226
DB 1357 ATTTTATATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 1298
QY 227 AAATTTTATTTT 238
DB 1297 TTTTATTTT 1286

RESULT 6
US-09-949-016-13504/c
Sequence 13504, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CLO01307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 13504
LENGTH: 59519
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; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13504

Query Match          9.2%; Score 45.8; DB 4; Length 59519;
Best Local Similarity 54.4%; Pred. No. 0.33; Mismatches 0; Gaps 0;
Matches 92; Conservative 0; Indels 77;

QY 80 TAAGTTGTTGGATCTTTATTCACAATCTCTTTAAACAATGACTTTTCTTACTTATTACATTT 139
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 48454 TAATAATGTTATATATATATATACATAATATGTAATATATATATATATATATATATAA 48395

QY 140 TTCATCTTTTTTACTTCACATGATATTTTACTTTAAATTTTGTACATACCAAGCCAAATTC 199
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 48394 TATATATTATATATATATATATATATATATATATATATATATATATATATATATAT 48335

QY 200 GCATAAAATGCTACTTTTAAAGTTAAATTTTCTTTTAAACGCATAA 248
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 48334 GTATAATATATATATATATATATATATATATATATATATATATATATATATATAT 48286

RESULT 7
US-09-091-432-3
; Sequence 3, Application US/09091432
; Patent No. 5981837
; GENERAL INFORMATION:
; APPLICANT: Chapple, Clint
; TITLE OF INVENTION: A Method For Regulation Of Plant Lignin Composition
; FILE REFERENCE: 7024-325
; CURRENT APPLICATION NUMBER: US/09/091,432
; CURRENT FILING DATE: 1998-06-18
; EARLIER APPLICATION NUMBER: PCT/US96/20094
; EARLIER FILING DATE: 1996-12-19
; EARLIER APPLICATION NUMBER: US 60/009,119
; EARLIER FILING DATE: 1995-12-22
; EARLIER APPLICATION NUMBER: US 60/013,388
; EARLIER FILING DATE: 1996-03-14
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: Microsoft Word 2.0C
; SEQ ID NO 3
; LENGTH: 5156
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-091-432-3

Query Match          9.1%; Score 45.6; DB 2; Length 5156;
Best Local Similarity 54.9%; Pred. No. 0.18; Mismatches 0; Gaps 0;
Matches 90; Conservative 0; Indels 74;

QY 94 TTTATTCACAATCTTTTAAACAATGACTTTTCTTACTTATTACATTTTTCATCTTTTAC 153
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 460 TTTTGTTCAAAAGTATTATCAATAGTTTTTTTGTCTTCAAAAATATACAAAATTTTGTGA 519

QY 154 TTCACATGATATTTTACTTAAATTTTGTACATACAGCCAAAATTCGCATATAAATGCTTT 213
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 520 TGAATAATTTCTTTAAACGAAAATAAAATTAATAAATTTTAAATTTTATATTTTGGAGTTCT 579

US-09-091-432-3
; Sequence 3, Application US/09214139B
; Patent No. 6610908
; GENERAL INFORMATION:
; APPLICANT: Chapple, Clinton C. S.
; TITLE OF INVENTION: MANIPULATION OF LIGNIN COMPOSITION IN PLANTS
; FILE REFERENCE: 7024-370
; CURRENT APPLICATION NUMBER: US/09/214,139B
; CURRENT FILING DATE: 1999-08-26
; EARLIER APPLICATION NUMBER: 60/022,288
; EARLIER FILING DATE: 1996-07-19
; EARLIER APPLICATION NUMBER: 60/032,908
; EARLIER FILING DATE: 1996-12-16
; EARLIER APPLICATION NUMBER: PCT/US97/12624
; EARLIER FILING DATE: 1997-07-18
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: Microsoft Word '97
; SEQ ID NO 3
; LENGTH: 5156
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-214-139B-3

Query Match          9.1%; Score 45.6; DB 4; Length 5156;
Best Local Similarity 54.9%; Pred. No. 0.18; Mismatches 0; Gaps 0;
Matches 90; Conservative 0; Indels 74;

QY 94 TTTATTCACAATCTTTTAAACAATGACTTTTCTTACTTATTACATTTTTCATCTTTTAC 153
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Db 460 TTTTGTTCAAAAGTATTATCAATAGTTTTTTTGTCTTCAAAAATATACAAAATTTTGTGA 519

QY 154 TTCACATGATATTTTACTTAAATTTTGTACATACAGCCAAAATTCGCATATAAATGCTTT 213
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Db 520 TGAATAATTTCTTTTAAACGAAAATAAAATTAATAAATTTTAAATTTTATATTTTGGAGTTCT 579

QY 214 ACTTTTAAAGTTAAATTTTCTTTTAAACGCATAAATGGACGTA 257
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Db 580 ATTTTAAATTTAGAGTTTTTATTGTACACACATTTTGTGAATTA 623

RESULT 9
US-09-214-139B-3
; Sequence 3, Application US/09214139B
; Patent No. 6610908
; GENERAL INFORMATION:
; APPLICANT: Chapple, Clinton C. S.
; TITLE OF INVENTION: MANIPULATION OF LIGNIN COMPOSITION IN PLANTS
; FILE REFERENCE: 7024-370
; CURRENT APPLICATION NUMBER: US/09/214,139B
; CURRENT FILING DATE: 1999-08-26
; EARLIER APPLICATION NUMBER: 60/022,288
; EARLIER FILING DATE: 1996-07-19
; EARLIER APPLICATION NUMBER: 60/032,908
; EARLIER FILING DATE: 1996-12-16
; EARLIER APPLICATION NUMBER: PCT/US97/12624
; EARLIER FILING DATE: 1997-07-18
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: Microsoft Word '97
; SEQ ID NO 3
; LENGTH: 5156
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-214-139B-3

Query Match          9.1%; Score 45.6; DB 4; Length 5156;
Best Local Similarity 54.9%; Pred. No. 0.18; Mismatches 0; Gaps 0;
Matches 90; Conservative 0; Indels 74;

QY 94 TTTATTCACAATCTTTTAAACAATGACTTTTCTTACTTATTACATTTTTCATCTTTTAC 153
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Db 460 TTTTGTTCAAAAGTATTATCAATAGTTTTTTTGTCTTCAAAAATATACAAAATTTTGTGA 519

QY 154 TTCACATGATATTTTACTTAAATTTTGTACATACAGCCAAAATTCGCATATAAATGCTTT 213
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 520 TGAATAATTTCTTTTAAACGAAAATAAAATTAATAAATTTTAAATTTTATATTTTGGAGTTCT 579

QY 214 ACTTTTAAAGTTAAATTTTCTTTTAAACGCATAAATGGACGTA 257
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 580 ATTTTAAATTTAGAGTTTTTATTGTACACACATTTTGTGAATTA 623
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RESULT 10
US-09-439-554-23/c
; Sequence 23, Application US/09439554
; Patent No. 6479733
; GENERAL INFORMATION:
; APPLICANT: Rafalski, Jan Antoni
; APPLICANT: Odell, Joan T.
; APPLICANT: Sakai, Hajime
; APPLICANT: Thorpe, Catherine J.
; APPLICANT: Kinney, Anthony J.
; APPLICANT: Famodu, Omolayo O.
; TITLE OF INVENTION: STEROL METABOLISM ENZYMES
; FILE REFERENCE: BB1114 US NA
; CURRENT APPLICATION NUMBER: US/09/439,554
; CURRENT FILING DATE: 1999-11-12
; EARLIER APPLICATION NUMBER: 60/108,351
; EARLIER FILING DATE: 1998-No. 6479733member-13
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 23
; LENGTH: 1192
; TYPE: DNA
; ORGANISM: Glycine max
US-09-439-554-23

Query Match          9.0%; Score 45.2; DB 4; Length 1192;
Best Local Similarity 58.0%; Pred. No. 0.14;
Matches 80; Conservative 0; Mismatches 58; Indels 0; Gaps 0;

QY 105 TTCTTTTAAACAGCTTTTCTTACTTATTACATTTTTTCACTTTTTTCTTACTTACATGATA 164
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Db 1182 TTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT 1123

QY 165 TTTTCTTAAATTTCTACATCAAGCCAAATTCGCATAAATGCTTACTTTTAAAG 224
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 1122 TTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT 1063

QY 225 TTTAAATTTTCTTTTAAAC 242
    ||||| ||||| ||||| |||||
Db 1062 TGAAGTTTCTTAATAAC 1045

RESULT 11
US-09-949-016-132805/c
; Sequence 132805, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 132805
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-132805

Query Match          9.0%; Score 45; DB 4; Length 601;
Best Local Similarity 51.8%; Pred. No. 0.13;
Matches 99; Conservative 1; Mismatches 91; Indels 0; Gaps 0;

QY 48 TATTGTTTATGTCATGGAATTTACAAAGAAGTAAGTTGTTGGATCTTTTTCACAATTC 107
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Db 441 TATATATATTTATATATATATTTATATATTTATATATATATATATATATATATATATAA 382
QY 108 TTTTAAACAATGACTTTTTTTACTTATTACATTTTTTTCATCTTTTTCACATGATATTT 167
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 381 TATATATATATATTTTATATATATATATATATATATATATATATATATATAATAATAT 322
QY 168 TACTTAAATTTTGTACATACAAAGCCAAATTCGCCATAAAATGCTTACTTTTAAAGTTA 227
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 321 ATATTTATATATTTTATATATATATATATATATATATATATATATATATATATATATA 262
QY 228 AATTTTTTTTT 238
    ||||| ||||| ||||| |||||
Db 261 ATATATTTTTT 251

RESULT 12
US-09-134-001C-179
; Sequence 179, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 179
; LENGTH: 822
; TYPE: DNA
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-179

Query Match          9.0%; Score 44.8; DB 3; Length 822;
Best Local Similarity 49.6%; Pred. No. 0.16;
Matches 115; Conservative 0; Mismatches 117; Indels 0; Gaps 0;

QY 44 TTTTATTTGTTTATGTCATCGAATTTACAAAGAAGTAAGTTGTTGGATCTTTTATTCACA 103
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 229 TTTAAATTTATGTTGTTGTTAGTATTTGCTATGTTTCTTTGTTATTTGTTAGTATTAGGA 288
QY 104 ATCTTTTAAACAATGACTTTTTTTACTTATTACATTTTTTTCATCTTTTTCATCATGAT 163
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 289 ATTGTTGCAAGATGGTTGGAAATAGTATTTTTCATCATGAAGATACCTTAAAGTGA 348
QY 164 ATTTTACTTAAATTTTGTACATACAAAGCCAAATTCGCATAAAATGCTTACTTTTAAAAA 223
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 349 TTGTTACTTGCTTTTCTTACTTCAAGTTTCAGAGCAGTATTGCCGATTATGATGAAGAA 408
QY 224 GTTAAATTTTATTTTAAAGCATAAATGGACGTACAGCAGCAATTTGGAATAG 275
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 409 ATGGAACGCTTTGGTTTCGCCAAAGATGTTACTTTCATTTGTTATTTCTCTATCG 460

RESULT 13
US-09-902-540-1280/c
; Sequence 1280, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
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; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 1280
; LENGTH: 1039
; TYPE: DNA
; ORGANISM: Myxococcus xanthus
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)...(1039)
; OTHER INFORMATION: unsure at all n locations
US-09-902-540-1280

Query Match      8.8%; Score 44.2; DB 4; Length 1039;
Best Local Similarity 51.0%; Pred. No. 0.19;
Matches 104; Conservative 0; Mismatches 100; Indels 0; Gaps 0;

Qy 43 TTTTATTGTTTATGTCATGGAATTTACAAAGAAGTAGTGTGGATCTTTATTTCAC 102
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
559 TATTTTATTTTATTTGTTTTTTTTTTTTTATTTTATTTTATTTTATTTTATTTTTCAT 500
Qy 103 AATCTTTTAAACATGACTTTTCTTATTATCATTTTTCATCTTTTACTTTCACATGA 162
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
499 TTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTAT 440
Qy 163 TATTTTACTTAAATTTTGTATACATCAAGCCCAAAATTCGCATAAAATGCTTACTTTAAA 222
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
439 TATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTAA 380
Qy 223 AGTTAAATTTTATTTTAAACGCAT 246
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
379 TTTTATGTTTTTTTGTGTTATTTAT 356

RESULT 14
US-09-949-016-15094
; Sequence 15094, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15094
; LENGTH: 209210
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(209210)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15094

Query Match      8.8%; Score 44.2; DB 4; Length 209210;
Best Local Similarity 53.8%; Pred. No. 1.2;
Matches 91; Conservative 0; Mismatches 78; Indels 0; Gaps 0;

Qy 83 GTTCTTGGAATCTTATTTACAAATCTTTTAAACATGACTTTTCTTATTATTTTTC 142
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
96575 GTGTTTAGTACCTTCCTTCCTTTTATTTTATTTTAACTTTTAACTTTTAACTTTTA 96634
Qy 143 ATCTTTTATTTACTTCACATGATATTTTACTTAAATTTTGTATACATCAAGCCCAAAATTCGCA 202
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
96635 ATTTAACTTTTAACTTTTAACTTTTAACTTTTAACTTTTAACTTTTAACTTTTAACTTTT 96694
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Qy 203 TAAATGCTTACTTTTAAAGCTTAAATTTTATTTTAAACGCATAAATG 251
Db 96695 TTTTAACTTTTAAATTTAACTTTTAAATTTTAAAGGGGTACATG 96743

RESULT 15
US-09-949-016-132806/c
; Sequence 132806, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 132806
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-132806
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Query Match      8.8%; Score 43.8; DB 4; Length 601;
Best Local Similarity 51.8%; Pred. No. 0.26;
Matches 99; Conservative 0; Mismatches 92; Indels 0; Gaps 0;

Qy 48 TATTGTTTATGTCATGGAATTTACAAAGAAGTAGTGTGGATCTTTATTCACAATTC 107
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
535 TATATATATTTATTTATATATATTTTATATATTTTATATATAATATATATATATATA 476
Qy 108 TTTTAAACATGACTTTTCTTATTATACATTTTTCATCTTTTCTTCTTCCATGATATT 167
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
475 TATATATTTATTTTATATATTTTATATATTTTATATATAATATATATATATATATAT 416
Qy 168 TACTTAAATTTTGTACATACAAAGCCCAAAATTCGCATAAAATGCTTTACTTTAAAGTTA 227
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
415 ATATTATATTTTATATATTTTATATATTTTATATATAATATATATATATATATATA 356
Qy 228 AATTTTTTTTTT 238
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
355 ATATATTTTTTT 345
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Search completed: September 26, 2005, 09:35:57
Job time : 118.751 secs

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OM nucleic - nucleic search, using sw model

Run on: September 26, 2005, 09:26:00 ; Search time 498.823 Seconds
(without alignments)
6702.051 Million cell updates/sec

Title: US-09-464-767A-3_COPY_1_500

Perfect score: 500

Sequence: 1 ctatcatatataacgtt.....tctataaaatagcccaacc 500

Scoring table: IDENTITY NUC

Gapop 10_0 , Gapext 1.0

Searched: 7400732 seqs, 3343137571 residues

Total number of hits satisfying chosen parameters: 14801464

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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19: /cgn2_6/ptodata/2/pubpna/US10G_PUBCOMB.seq.*
20: /cgn2_6/ptodata/2/pubpna/US10H_PUBCOMB.seq.*
21: /cgn2_6/ptodata/2/pubpna/US10I_PUBCOMB.seq.*
22: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
23: /cgn2_6/ptodata/2/pubpna/US11A_PUBCOMB.seq.*
24: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq.*
25: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
26: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	500	100.0	29544	9	US-09-464-767-1
2	500	100.0	32745	9	US-09-464-767-3
3	58.6	11.7	397	9	US-09-960-352-13784
4	54.2	10.8	462	20	US-10-425-115-171081
5	52.2	10.4	376	10	US-09-814-353-18587
6	51.8	10.4	469	19	US-10-021-323-16830
7	51.8	10.4	8323	15	US-10-311-455-32

8	51.8	10.4	3673778	16	US-10-312-841-1	Sequence 1, Appli
9	51.4	10.3	5452	15	US-10-311-455-1122	Sequence 1122, Ap
10	51.4	10.3	9155	15	US-10-311-455-436	Sequence 436, App
11	51.2	10.2	527	19	US-10-021-323-16206	Sequence 16206, A
12	51.2	10.2	6183	15	US-10-311-455-1169	Sequence 1169, Ap
13	51.2	10.2	12592	17	US-10-221-613-57	Sequence 57, Appl
14	50.8	10.2	2566	19	US-10-734-564-47	Sequence 47, Appl
15	50.4	10.1	466	19	US-10-767-795-178	Sequence 178, App
16	50.4	10.1	593	19	US-10-021-323-7120	Sequence 7120, A
17	50.2	10.0	574	19	US-10-021-323-11147	Sequence 11147, A
18	50.2	10.0	54775	21	US-10-741-601-5659	Sequence 5659, Ap
19	50.2	10.0	54775	21	US-10-741-600-17684	Sequence 17684, A
20	49.8	10.0	303	20	US-10-425-115-123967	Sequence 123967,
21	49.8	10.0	520	19	US-10-021-323-7699	Sequence 7699, Ap
22	49.8	10.0	14861	15	US-10-311-455-1168	Sequence 1168, Ap
23	49.8	10.0	14861	17	US-10-221-613-162	Sequence 162, App
24	49.8	10.0	15548	15	US-10-311-455-2128	Sequence 2128, Ap
25	49.6	9.9	314	9	US-09-960-352-12412	Sequence 12412, A
26	49.6	9.9	433	20	US-10-425-115-73890	Sequence 73890, A
27	49.6	9.9	6261	17	US-10-221-613-2	Sequence 2, Appli
28	49.6	9.9	6261	18	US-10-221-714A-366	Sequence 366, App
29	49.6	9.9	7143	15	US-10-311-455-956	Sequence 956, App
30	49.6	9.9	16236	15	US-10-311-455-996	Sequence 996, App
31	49.6	9.9	3673778	16	US-10-312-841-2	Sequence 2, Appli
32	49.4	9.9	560	19	US-10-021-323-2253	Sequence 2253, Ap
33	49.4	9.9	579	10	US-09-814-353-5569	Sequence 5569, A
34	49.4	9.9	579	10	US-09-814-353-11856	Sequence 11856, A
35	49.4	9.9	7498	15	US-10-311-455-229	Sequence 229, App
36	49.4	9.9	9539	14	US-10-239-676-52	Sequence 52, Appl
37	49.4	9.9	9539	15	US-10-240-453-54	Sequence 54, Appl
38	49.2	9.8	622	18	US-10-424-599-3380	Sequence 3380, Ap
39	49.2	9.8	5216	15	US-10-311-455-320	Sequence 320, App
40	49.2	9.8	5216	15	US-10-240-485-12	Sequence 12, Appl
41	49	9.8	461	10	US-09-814-353-17724	Sequence 17724, A
42	48.8	9.8	603	20	US-10-425-115-62402	Sequence 62402, A
43	48.6	9.7	375	20	US-10-357-930-44930	Sequence 44930, A
44	48.6	9.7	419	9	US-09-960-352-11234	Sequence 11234, A
45	48.6	9.7	5493	17	US-10-221-613-349	Sequence 349, App

ALIGNMENTS

RESULT 1
US-09-464-767-1
; Sequence 1, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Boyle, David
; APPLICANT: Vratil, Sudhanahu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vect
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 29544
; TYPE: DNA
; ORGANISM: Ovine adenovirus
US-09-464-767-1

Query Match	100.0%	Score	500;	DB	9;	Length	29544;
Best Local Similarity	100.0%	Pred. No.	1.2e-91;				
Matches	500;	Conservative	0;	Mismatches	0;	Indels	0;
Gaps	0;						
Qy	1	CTATTATATATATACGTTGCACAGAGCGCGGCGTGTGCTTTTATTATTATTTT	60				
Db	1	CTATTATATATATATACGTTGCACAGAGCGCGGCGTGTGCTTTTATTATTATTTT	60				
Qy	61	CATGAANTTACAAAGAGTAAGTTGGATCTTATTACAAATCTTTTAAACATGAC	120				


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; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 171081
; LENGTH: 462
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_87604C.1
US-10-425-115-171081

Query Match      10.8%; Score 54.2; DB 20; Length 462;
Best Local Similarity 53.6%; Pred. No. 0.22;
Matches 113; Conservative 0; Mismatches 98; Indels 0; Gaps 0;

QY 43 TTTTATTGTTTATTGTCATCGAATTTTCAAGAAAGTGAAGTGTGGATCTTTATTTCAC 102
DB 39 TTTTATTTTTTTTTTTTCTGGGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT 98

QY 103 AATCTTTTAAACAGTCTTTTACTTATTATACATTTTTTTCATCTTTTTTACTTCACATGA 162
DB 99 TTTTATTTTTTAAATTTTAAATTTTTTTTAAATCTTTTTTAAATTTTTTTTTTAAATATAA 158

QY 163 TATTTTACTTAAATTTTGTACATACAGCCAAATTCGCATAAAATGTCGTACTTTTAAAA 222
DB 159 AATTATATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAATTTTTTTTTTAAAGAAA 218

QY 223 AGTTAAATTTTTTTTTTAAAGCATAAATGGA 253
DB 219 AATTAATAAATTTGGNAAAAAATAAGAA 249

RESULT 5
US-09-814-353-18587/c
; Sequence 18587, Application US/09814353
; Publication No. US20030165831A1
; GENERAL INFORMATION:
; APPLICANT: Thompson, Pamela
; APPLICANT: Lillie, James
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF OVARIAN CANCER
; FILE REFERENCE: MRI-006B
; CURRENT APPLICATION NUMBER: US/09/814,353
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: US 60/191,031
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: US 60/207,124
; PRIOR FILING DATE: 2000-05-25
; PRIOR APPLICATION NUMBER: US 60/211,940
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: US 60/216,820
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 60/220,661
; PRIOR FILING DATE: 2000-07-25
; PRIOR APPLICATION NUMBER: US 60/257,672
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 22037
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18587
; LENGTH: 376
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 209
; OTHER INFORMATION: n = A,T,C or G
US-09-814-353-18587

Query Match      10.4%; Score 52.2; DB 10; Length 376;
Best Local Similarity 55.6%; Pred. No. 0.53;
Matches 120; Conservative 0; Mismatches 94; Indels 2; Gaps 1

; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 171081
; LENGTH: 462
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_87604C.1
US-10-425-115-171081

Query Match      10.8%; Score 54.2; DB 20; Length 462;
Best Local Similarity 53.6%; Pred. No. 0.22;
Matches 113; Conservative 0; Mismatches 98; Indels 0; Gaps 0;

QY 43 TTTTATTGTTTATTGTCATCGAATTTTCAAGAAAGTGAAGTGTGGATCTTTATTTCAC 102
DB 39 TTTTATTTTTTTTTTTTCTGGGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT 98

QY 103 AATCTTTTAAACAGTCTTTTACTTATTATACATTTTTTTCATCTTTTTTACTTCACATGA 162
DB 99 TTTTATTTTTTAAATTTTAAATTTTTTTTAAATCTTTTTTAAATTTTTTTTTTAAATATAA 158

QY 163 TATTTTACTTAAATTTTGTACATACAGCCAAATTCGCATAAAATGTCGTACTTTTAAAA 222
DB 159 AATTATATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAATTTTTTTTTTAAAGAAA 218

QY 223 AGTTAAATTTTTTTTTTAAAGCATAAATGGA 253
DB 219 AATTAATAAATTTGGNAAAAAATAAGAA 249

RESULT 6
US-10-021-323-16830/c
; Sequence 16830, Application US/10021323
; Publication No. US20040123340A1
; GENERAL INFORMATION:
; APPLICANT: Deikman, Jill
; APPLICANT: Feng, Paul C.C.
; APPLICANT: Fincher, Karen L.
; APPLICANT: Ziegler, Todd E.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated Wi
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(52274)B
; CURRENT APPLICATION NUMBER: US/10/021,323
; CURRENT FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: US 60/255, 619
; PRIOR FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 17880
; SEQ ID NO 16830
; TYPE: DNA
; ORGANISM: Gossypium hirsutum
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3829-024-Q6-N6-E4
US-10-021-323-16830

Query Match      10.4%; Score 51.8; DB 19; Length 469;
Best Local Similarity 49.8%; Pred. No. 0.69;
Matches 131; Conservative 0; Mismatches 132; Indels 0; Gaps 0;

QY 19 TTGCACAGAGCGGGGGGTGGGTTTTTTTATGTTTATGTCATGAATTTACAAGAA 78
DB 390 TTTCCGGGGGGGGGGCCCCCTTATTTTTTTTTTTCTGGGGGAATTTTTTTTTTTAA 331

QY 79 GTAAGTTGTTGGAATTTTATTCACAATCTTTTAAACATGACTTTTTTACTTTACATT 138
DB 330 TATTTTTTTTTTTTTTATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT 271

QY 139 TTTTCATCTTTTTTACTTCACATGATATTTTACTTTAAATTTTGTACATACAGCCAAAAT 198
DB 270 TTTTATTTTTTTTTTTTTTAAATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTATTA 211

QY 199 CGCATAAAATCTCTTACTTTTAAAGTTAAATTTTTTTTTTTTTTAAAGCATAAATGACGTAC 258
DB 210 TTTTATTTTTTTTTTTTTTTTATATTTTTTTTTTTTTTTTTTTTTTAAAAA 151

QY 259 AGCAGCAATTCGAATAGCAGAA 281
DB 150 AAAAAAAAAAAAAAAAAAAAAA 128

RESULT 7
US-10-311-455-32
; Sequence 32, Application US/10311455
; Publication No. US20030143606A1

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; TITLE OF INVENTION: cytosine methylation
; FILE REFERENCE: 5013.1014
; CURRENT APPLICATION NUMBER: US/10/311,455
; CURRENT FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCT/EP01/07537
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 2424
; SEQ ID NO 436
; LENGTH: 9155
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-436

Query Match      10.3%; Score 51.4; DB 15; Length 9155;
Best Local Similarity 52.0%; Pred. No. 2.6;
Matches 115; Conservative 0; Mismatches 106; Indels 0; Gaps 0;

QY 40 GGGTTTTTATGCTTATGTCATGGAATTTACAAGAAGTAAGTGTGGATCTTTATT 99
DB ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
5686 GGGGTATTTTATAGGTAGTGTGTTTTTAAGAAATAGAAAGTAGTGTTGATGTTTTT 5745

QY 100 CACAATCTTTTAAACAATGACCTTTTACTATTATACATTTTTCATCTTTTACTTCACA 159
DB ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
5746 GAGAATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCGTTTTTGTGTTTTTAAG 5805

QY 160 TGATATTTTACTTAAATTTTGTACATACAAAGCCAAATTCGCATAAAATGCTTACTTTA 219
DB ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
5806 GAAGAATTTTGTAGAAGTTAATTTTATTAGTAGTTTTTGTAAATAAAGGGAATTATTT 5865

QY 220 AAAAGTAAATTTTTTTTTTAAAGCATAAATGACGTACAG 260
DB ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
5866 AAAAGTAGTATTTTTTTTTTAAATGTAAAGAAAGAAAAAAG 5906

RESULT 11
US-10-021-323-16206
; Sequence 16206, Application US/10021323
; Publication No. US20040123340A1
; GENERAL INFORMATION:
; APPLICANT: Deikman, Jill
; APPLICANT: Feng, Paul C.C.
; APPLICANT: Fincher, Karen L.
; APPLICANT: Ziegler, Todd E.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(52274)B
; CURRENT APPLICATION NUMBER: US/10/021,323
; CURRENT FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: US 60/255, 619
; PRIOR FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 17880
; SEQ ID NO 16206
; LENGTH: 527
; TYPE: DNA
; ORGANISM: Gossypium hirsutum
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3829-015-Q1-N6-H7
US-10-021-323-16206

Query Match      10.2%; Score 51.2; DB 19; Length 527;
Best Local Similarity 51.8%; Pred. No. 0.96;
Matches 116; Conservative 0; Mismatches 108; Indels 0; Gaps 0;

QY 43 TTTTATTGTTTATGTCATGGAATTTACAAGAAGTAAGTGTGGATCTTTATTCAC 102
DB ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
13 TTTTATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT 72

; TITLE OF INVENTION: cytosine methylation
; FILE REFERENCE: 5013.1014
; CURRENT APPLICATION NUMBER: US/10/311,455
; CURRENT FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCT/EP01/07537
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 2424
; SEQ ID NO 1169
; LENGTH: 6183
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-1169

Query Match      10.2%; Score 51.2; DB 15; Length 6183;
Best Local Similarity 52.9%; Pred. No. 2.5;
Matches 110; Conservative 0; Mismatches 98; Indels 0; Gaps 0;

QY 43 TTTTATTGTTTATGTCATGGAATTTACAAGAAGTAAGTGTGGATCTTTATTCAC 102
DB ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
1353 TTTTGTGTTTTGTTTTTGTGTTGTTTTTGGAGTAAGATGTGTAATTTTTTTTTTG 1412

QY 103 AATCTTTTAAACAATGACTTTTTTACTTATACATTTTTCATCTTTTACTTCACATGA 162
DB ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
1413 GGATTTGTGAATATATAAATATATATTTTAATGCTAGTATATTTTGGTTTGTGATTT 1472

QY 163 TATTTTACTTAAATTTTGTACATACAAAGCCAAATTCGCATAAAATGCTTACTTTAAA 222
DB ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
1473 TATTATATTTAAATAATGAATATATTAATAATTTGATATATATTTTTTGTGTTAAAG 1532

QY 223 AGTTAAATTTTTTTTTTAAACGCATAAAT 250
DB ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
1533 TTATTTTTTTTTTTTTTAAATGAATAGT 1560

RESULT 13
US-10-221-613-57
; Sequence 57, Application US/10221613
; Publication No. US20040029123A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with Cell Cycle
; FILE REFERENCE: 5013.1004
; CURRENT APPLICATION NUMBER: US/10/221,613
```

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QY 103 AATCTTTTAAACAATGACTTTTTTACTTATACATTTTTCATCTTTTACTTCACATGA 162
DB ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
73 TTTTATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT 132

QY 163 TATTTTACTTAAATTTTGTACATACAAAGCCAAATTCGCATAAAATGCTTACTTTAAA 222
DB ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
133 TTTTATTTTTTTTTTTTTTTTTTTTTTTTTTTTAAANAAGGGGGAAGAAAGCAGCGCTTTTAA 192

QY 223 AGTTAAATTTTTTTTTTAAACGCATAAATGGACGTACAGCAGCAA 266
DB ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
193 ATTTAAATTTCTAATTTTAAACCCCGAGGGGGGAACATAAAAAA 236
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RESULT 12
US-10-311-455-1169
; Sequence 1169, Application US/10311455
; Publication No. US20030143606A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determining
; FILE REFERENCE: 5013.1014
; CURRENT APPLICATION NUMBER: US/10/311,455
; CURRENT FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCT/EP01/07537
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 2424
; SEQ ID NO 1169
; LENGTH: 6183
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-1169
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```

Query Match      10.2%; Score 51.2; DB 15; Length 6183;
Best Local Similarity 52.9%; Pred. No. 2.5;
Matches 110; Conservative 0; Mismatches 98; Indels 0; Gaps 0;

QY 43 TTTTATTGTTTATGTCATGGAATTTACAAGAAGTAAGTGTGGATCTTTATTCAC 102
DB ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
1353 TTTTGTGTTTTGTTTTTGTGTTGTTTTTGGAGTAAGATGTGTAATTTTTTTTTTG 1412

QY 103 AATCTTTTAAACAATGACTTTTTTACTTATACATTTTTCATCTTTTACTTCACATGA 162
DB ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
1413 GGATTTGTGAATATATAAATATATATTTTAATGCTAGTATATTTTGGTTTGTGATTT 1472

QY 163 TATTTTACTTAAATTTTGTACATACAAAGCCAAATTCGCATAAAATGCTTACTTTAAA 222
DB ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
1473 TATTATATTTAAATAATGAATATATTAATAATTTGATATATATTTTTTGTGTTAAAG 1532

QY 223 AGTTAAATTTTTTTTTTAAACGCATAAAT 250
DB ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
1533 TTATTTTTTTTTTTTTTAAATGAATAGT 1560
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RESULT 13
US-10-221-613-57
; Sequence 57, Application US/10221613
; Publication No. US20040029123A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with Cell Cycle
; FILE REFERENCE: 5013.1004
; CURRENT APPLICATION NUMBER: US/10/221,613
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; CURRENT FILING DATE: 2002-09-13
; PRIOR APPLICATION NUMBER: PCT/EP01/02945
; DE 10013847.00
; DE 10019058.8
; DE 10019173.8
; DE 10032529.7
; DE 10043826.1
; PRIOR FILING DATE: 2001-03-15
; 2000-03-15
; 2000-04-06
; 2000-04-07
; 2000-06-30
; 2000-09-01
; NUMBER OF SEQ ID NOS: 428
; SEQ ID NO 57
; LENGTH: 12592
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-221-613-57

Query Match 10.2%; Score 51.2; DB 17; Length 12592;
Best Local Similarity 51.3%; Pred. No. 3.2;
Matches 119; Conservative 0; Mismatches 113; Indels 0; Gaps 0;

QY 2 TATTCATATATACGTTGCACAGAGCGGGCGTGGTCTTTTACAAATCTTTTAAACAATGACT 121
DB 7412 TAGGTATAGAAAAGTTTATAGAAAATATGAAGAATGTGTTTGTATTTTTTTTTTTT 7471
QY 62 ATGGAATTTACAAAGAAGTAAGTTGTTGGATCTTTTACAAATCTTTTAAACAATGACT 121
DB 7472 TAAAGTTTAACTAGNATGGTTAGTTCGATATATATATATCTTTTAAATTTAAATTCG 7531
QY 122 TTTTACTTATACATTTTTCATCTTTTTCATTCACATGATATTTTCTTAAATTTGT 181
DB 7532 TTTTAAATTTATTTTATAGAGAGTATTTATTTATTTGAGTTTATTTTAAAGTTT 7591
QY 182 ACATACAGCCAAATTCGCATAAATGCTCTTACTTTTAAAGCTTAAATTTT 233
DB 7592 ATATATGAGGTAGAAATTTTGTAGTTTTTTTATTTTAAATGTAATTTT 7643

RESULT 14
US-10-734-564-47/c
; Sequence 47, Application US/10734564
; Publication No. US20040157278A1
; GENERAL INFORMATION:
; APPLICANT: Christopher C Burgess et al
; TITLE OF INVENTION: Detection Methods Using TIMP1
; FILE REFERENCE: 1657/2012
; CURRENT APPLICATION NUMBER: US/10/734,564
; CURRENT FILING DATE: 2003-12-12
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 47
; LENGTH: 2566
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-734-564-47

Query Match 10.2%; Score 50.8; DB 19; Length 2566;
Best Local Similarity 54.2%; Pred. No. 2.1;
Matches 103; Conservative 0; Mismatches 87; Indels 0; Gaps 0;

QY 43 TTTTATGCTTTATGTCAGGAATTTACAAAGAAGTAAGTTGTTGGATCTTTTATTCAC 102
DB 2545 TTTTATGCTTTATGCTTTATGCTTTTATGCTTTTATGCTTTTATGCTTTTATGCTTTT 2486
QY 103 AATCTTTTAAACATGACTTTTCTTACTTATATACATTTTCTTCTTTTCTTCTTCTTCT 162
DB 2485 TTTTATGCTTTATGCTTTTATGCTTTTATGCTTTTATGCTTTTATGCTTTTATGCTTT 2426

QY 163 TATTTTACTTAAATTTTGTACATACAGCCAAATTTCCGATATAAATGTCTTACTTTTAAA 222
DB 2425 TATTTTATGCTGCTGTTAGGAATAAAGATCAACACCATACATACAGCTTACAA 2366
QY 223 AGTTAAATTT 232
DB 2365 AGTTAAATTT 2356

RESULT 15

US-10-767-795-178
; Sequence 178, Application US/10767795
; Publication No. US20040181830A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Cao, Yongwei
; APPLICANT: Zhou, Yihua
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53534)B
; CURRENT APPLICATION NUMBER: US/10/767,795
; CURRENT FILING DATE: 2004-01-30
; NUMBER OF SEQ ID NOS: 117596
; SEQ ID NO 178
; LENGTH: 466
; TYPE: DNA
; ORGANISM: Gossypium hirsutum
; FEATURE:
; OTHER INFORMATION: Clone ID: GOSHI-09MAY01-C45873_1
US-10-767-795-178

Query Match 10.1%; Score 50.4; DB 19; Length 466;
Best Local Similarity 54.3%; Pred. No. 1.3;
Matches 102; Conservative 0; Mismatches 86; Indels 0; Gaps 0;

QY 51 TGTATTGTCATGGAATTTACAAAGAAGTAAGTTGTTGGATCTTTTATTCACAATCTTT 110
DB 253 TTTTGTATGCTTTGTTTATTTATTTATTTATTTTATTTTATTTTATTTTATTTTATTTT 312
QY 111 TAACATGACTTTTCTTACTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 170
DB 313 TTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 372
QY 171 TTAAATTTTGTACATACAGCCAAATTCGCATATAAATGCTTTACTTTTAAAGTTTAAAT 230
DB 373 TTTTAAATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTAT 432
QY 231 TTTTATTTT 238
DB 433 TTTTATTTT 440

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Job time : 507.823 secs

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OM nucleic - nucleic search, using sw model

Run on: September 27, 2005, 06:43:34 ; Search time 115.177 Seconds
(without alignments)
7117.524 Million cell updates/sec

Title: US-09-464-767a-3_COPY_10000_10500
Perfect score: 501
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Gapop 60.0 , Gapext 60.0

Searched: 1202784 seqs, 818138359 residues

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Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	20	4.0	4290	3	US-08-924-629C-4
C 2	20	4.0	24358	4	US-09-392-812A-1
C 3	20	4.0	119762	4	US-09-949-016-17313
C 4	19	3.8	601	4	US-09-949-016-60023
C 5	19	3.8	601	4	US-09-949-016-82603
C 6	19	3.8	601	4	US-09-949-016-82604
C 7	19	3.8	601	4	US-09-949-016-178493
C 8	19	3.8	48181	4	US-09-949-016-16863
C 9	19	3.8	121068	4	US-09-949-016-14138
C 10	19	3.8	343352	4	US-09-949-016-13498
C 11	19	3.8	1230025	4	US-09-198-452A-1
C 12	19	3.8	1230230	4	US-09-438-185A-1
C 13	18	3.6	246	4	US-09-583-110-1035
C 14	18	3.6	246	4	US-09-583-110-1760
C 15	18	3.6	447	4	US-09-621-976-15475
C 16	18	3.6	470	4	US-09-621-976-1447
C 17	18	3.6	870	4	US-09-543-681A-2980
C 18	18	3.6	978	4	US-09-134-000C-790
C 19	18	3.6	1169	4	US-09-976-594-425
C 20	18	3.6	1515	4	US-09-726-774-9
C 21	18	3.6	2592	4	US-09-248-796A-6509
C 22	18	3.6	9352	4	US-09-949-016-3031
C 23	18	3.6	9352	4	US-09-949-016-3032
C 24	18	3.6	9434	4	US-09-566-921-22
C 25	18	3.6	21338	3	US-08-961-527-20
C 26	18	3.6	113060	4	US-09-949-016-14773
C 27	18	3.6	113060	4	US-09-949-016-14774

28	18	3.6	121332	4	US-09-949-016-15535	Sequence 15535, A
C 29	18	3.6	253345	4	US-09-949-016-12656	Sequence 12656, A
C 30	18	3.6	253364	4	US-09-949-016-13639	Sequence 13639, A
C 31	18	3.6	260247	4	US-09-949-016-13358	Sequence 13358, A
C 32	18	3.6	1664976	4	US-08-916-421B-1	Sequence 1, Appli
C 33	18	3.6	1664976	4	US-09-692-570-1	Sequence 1, Appli
C 34	17	3.4	344	3	US-09-222-938A-14	Sequence 14, Appl
C 35	17	3.4	419	4	US-09-016-434-1462	Sequence 1462, Ap
C 36	17	3.4	419	4	US-09-917-254-4	Sequence 4, Appli
C 37	17	3.4	485	4	US-09-621-976-1099	Sequence 1099, Ap
C 38	17	3.4	492	3	US-09-328-111-1335	Sequence 335, App
C 39	17	3.4	495	4	US-09-248-796A-6005	Sequence 6005, Ap
C 40	17	3.4	601	4	US-09-949-016-57237	Sequence 57237, A
C 41	17	3.4	601	4	US-09-949-016-74515	Sequence 74515, A
C 42	17	3.4	601	4	US-09-949-016-161396	Sequence 161396, A
C 43	17	3.4	601	4	US-09-949-016-165916	Sequence 165916,
C 44	17	3.4	601	4	US-09-949-016-165916	Sequence 165916,
C 45	17	3.4	601	4	US-09-949-016-168837	Sequence 168837,

ALIGNMENTS

RESULT 1

US-08-924-629C-4/c
; Sequence 4, Application US/08924629C
; Patent No. 6403082
; GENERAL INFORMATION:
; APPLICANT: Stiles, Michael E.
; APPLICANT: Vederas, John C.
; APPLICANT: van Belkum, Marius J.
; APPLICANT: Worobo, Rodney J.
; APPLICANT: Greer, G. Gordon
; APPLICANT: McMullen, Lynn M.
; APPLICANT: Leisner, Jorgen J.
; APPLICANT: Poon, Aislin
; APPLICANT: Franz, Charles M.A.P.
; TITLE OF INVENTION: No. 6403082elBacteriocins, Transport and Vector System and Method
; FILE REFERENCE: 660.0005US
; CURRENT APPLICATION NUMBER: US/08/924,629C
; CURRENT FILING DATE: 1997-09-05
; PRIOR APPLICATION NUMBER: US 60/026,257
; PRIOR FILING DATE: 1996-09-05
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 4290
; TYPE: DNA
; ORGANISM: Leucocin A gene;
US-08-924-629C-4

Query Match 4.0%; Score 20; DB 3; Length 4290;
Best Local Similarity 100.0%; Pred. No. 3.3;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 160 TGAATAATTATCAATAATGG 179
|||||
Db 3119 TGAATAATTATCAATAATGG 3100

RESULT 2

US-09-392-812A-1/c
; Sequence 1, Application US/09392812A
; Patent No. 6537778
; GENERAL INFORMATION:
; APPLICANT: Zuker, Charles S.
; APPLICANT: Walker, Richard G.
; APPLICANT: Willingham, Aaron
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: A Eukaryotic Mechanosensory Transduction Channel
; FILE REFERENCE: 02307E-097600US
; CURRENT APPLICATION NUMBER: US/09/392,812A

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; CURRENT FILING DATE: 1999-09-09
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 24358
;   TYPE: DNA
; ORGANISM: Drosophila melanogaster
; FEATURE:
; OTHER INFORMATION: genomic nompC (no-mechanoreceptor potential C)
; OTHER INFORMATION: nucleotide sequence
US-09-392-812A-1

Query Match          4.0%; Score 20; DB 4; Length 24358;
Best Local Similarity 100.0%; Pred. No. 3.3;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 156 AAAATGAATAATTATCATAA 175
Db 4782 AAAATGAATAATTATCATAA 4763

RESULT 3
US-09-949-016-17313
; Sequence 17313, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17313
; LENGTH: 119762
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-17313

Query Match          4.0%; Score 20; DB 4; Length 119762;
Best Local Similarity 100.0%; Pred. No. 3.4;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 44 CCTTTGAAAAAGTCAAAAGT 63
Db 34419 CCTTTGAAAAAGTCAAAAGT 34438

RESULT 4
US-09-949-016-60023
; Sequence 60023, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 60023
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-60023

Query Match          3.8%; Score 19; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 84 AAATGTATATGTTTCAGCTT 102
Db 57 AAATGTATATGTTTCAGCTT 39

RESULT 6
US-09-949-016-82604/c
; Sequence 82604, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 82604
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-82603

Query Match          3.8%; Score 19; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 153 TTCAAAATGAATAATTATC 171
Db 509 TTCAAAATGAATAATTATC 527

RESULT 5
US-09-949-016-82603/c
; Sequence 82603, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 82603
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-82603

Query Match          3.8%; Score 19; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 153 TTCAAAATGAATAATTATC 171
Db 509 TTCAAAATGAATAATTATC 527
```


US-09-949-016-82604

Query Match 3.8%; Score 19; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 84 AATGTATATGTTTCAGCTT 102
Dy 371 AATGTATATGTTTCAGCTT 353

RESULT 7

US-09-949-016-178493/c
; Sequence 178493, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 178493
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-178493

Query Match 3.8%; Score 19; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 226 CTATAAAATTTTAAAGT 244
Dy 343 CTATAAAATTTTAAAGT 325

RESULT 8

US-09-949-016-16863/c
; Sequence 16863, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16863
; LENGTH: 48181
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(48181)
; OTHER INFORMATION: n = A, T, C or G
US-09-949-016-16863

Query Match 3.8%; Score 19; DB 4; Length 48181;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 226 CTATAAAATTTTAAAGT 244
Dy 7620 CTATAAAATTTTAAAGT 7602

RESULT 9

US-09-949-016-14138
; Sequence 14138, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14138
; LENGTH: 121068
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-14138

Query Match 3.8%; Score 19; DB 4; Length 121068;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 84 AAATGTATATGTTTCAGCTT 102
Dy 86628 AAATGTATATGTTTCAGCTT 86646

RESULT 10

US-09-949-016-13498/c
; Sequence 13498, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13498
; LENGTH: 343352
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(343352)
; OTHER INFORMATION: n = A, T, C or G
US-09-949-016-13498

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Query Match          3.8%; Score 19; DB 4; Length 343352;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 153 TTCAAAATGAATAATTATC 171
Db 60268 TTCAAAATGAATAATTATC 60250

RESULT 11
US-09-198-452A-1/c
; Sequence 1, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Griffois, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prevention
; TITLE OF INVENTION: and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 1
; LENGTH: 1230025
; TYPE: DNA
; ORGANISM: Chlamydia pneumoniae
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(15000)
; OTHER INFORMATION: n=a or c or g or t
; NAME/KEY: misc_feature
; LOCATION: (15001)..(30000)
; OTHER INFORMATION: n=a or c or g or t
; NAME/KEY: misc_feature
; LOCATION: (30001)..(45000)
; OTHER INFORMATION: n=a or c or g or t
; NAME/KEY: misc_feature
; LOCATION: (45001)..(60000)
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; LOCATION: (465001)..(480000)
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; LOCATION: (555001)..(570000)
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; NAME/KEY: misc_feature
; LOCATION: (570001)..(585000)
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; NAME/KEY: misc_feature
; LOCATION: (585001)..(600000)
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LOCATION: (600001)..(615000)
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NAME/KEY: misc_feature
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OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
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Query Match 3.8%; Score 19; DB 4; Length 1230025;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 224 AGCTATAAAATTTTAAAA 242

Db 237333 AGCTATAAAATTTTAAAA 237315

RESULT 12
US-09-438-185A-1/c
; Sequence 1, Application US/09438185A
; Patent No. 6822071
; GENERAL INFORMATION:
; APPLICANT: Stephens, Richard
; APPLICANT: Mitchell, Wayne
; APPLICANT: Kalman, Sue
; APPLICANT: Davis, Ronald
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Chlamydia Pneumoniae Genome Sequence
; FILE REFERENCE: 018941-000411US
; CURRENT APPLICATION NUMBER: US/09/438,185A
; CURRENT FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: US 60/108,279
; PRIOR FILING DATE: 1998-11-12
; PRIOR APPLICATION NUMBER: US 60/128,606
; PRIOR FILING DATE: 1999-04-08
; NUMBER OF SEQ ID NOS: 1074
; SOFTWARE: Fast-SEQ for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 1230230
; TYPE: DNA
; ORGANISM: Chlamydia pneumoniae
US-09-438-185A-1

Query Match 3.8%; Score 19; DB 4; Length 1230230;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 224 AGCTATAAAATTTTAAAA 242
Db 227044 AGCTATAAAATTTTAAAA 227026

RESULT 13
US-09-583-110-1035/c
; Sequence 1035, Application US/09583110
; Patent No. 6699703
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al.
; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
; TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics
; FILE REFERENCE: PATH00-07A
; CURRENT APPLICATION NUMBER: US/09/583,110
; CURRENT FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/107,433
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/085,131
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: US 60/051,553
; PRIOR FILING DATE: 1997-07-02
; NUMBER OF SEQ ID NOS: 5322
; SEQ ID NO 1035
; LENGTH: 246
; TYPE: DNA
; ORGANISM: Streptococcus pneumoniae
US-09-583-110-1035

Query Match 3.6%; Score 18; DB 4; Length 246;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 99 GCTTAAAGGTGCACCTTG 116
Db 46 GCTTAAAGGTGCACCTTG 29

RESULT 14
US-09-583-110-1760/c
; Sequence 1760, Application US/09583110

; Patent No. 6699703
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al.
; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
; TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics
; FILE REFERENCE: PATH00-07A
; CURRENT APPLICATION NUMBER: US/09/583,110
; CURRENT FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 05/107,433
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/085,131
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: US 60/051,553
; PRIOR FILING DATE: 1997-07-02
; NUMBER OF SEQ ID NOS: 5322
; SEQ ID NO 1760
; LENGTH: 246
; TYPE: DNA
; ORGANISM: Streptococcus pneumoniae
US-09-583-110-1760

Query Match 3.6%; Score 18; DB 4; Length 246;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 99 GCTTAAAGGTGCACTTG 116
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Db 46 GCTTAAAGGTGCACTTG 29

RESULT 15
US-09-621-976-15475
; Sequence 15475, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 15475
; LENGTH: 447
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 420_
; OTHER INFORMATION: n=a, g, c or t
US-09-621-976-15475

Query Match 3.6%; Score 18; DB 4; Length 447;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 432 TTCAATCAAAATTGCAAA 449
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Db 370 TTCAATCAAAATTGCAAA 387

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Job time : 123.177 secs

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OM nucleic - nucleic search, using sw model

Run on: September 27, 2005, 06:43:34 ; Search time 771.646 Seconds
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23: /cgn2_6/ptodata/1/pubpna/US11A_PUBCOMB.seq.*
24: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq.*
25: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq.*
26: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	501	100.0	29544	9	US-09-464-767-1
2	501	100.0	32745	9	US-09-464-767-3
3	20	4.0	1165	13	US-10-027-632-123863
4	20	4.0	1165	13	US-10-027-632-123864
5	20	4.0	1165	17	US-10-027-632-123863
6	20	4.0	1165	17	US-10-027-632-123864
7	20	4.0	1621	16	US-10-220-510-9

c	8	20	4.0	4290	10	US-09-883-343A-4	Sequence 4, Appli
c	9	20	4.0	17404	24	US-11-013-314-35	Sequence 35, Appl
c	10	20	4.0	24358	16	US-10-369-978-1	Sequence 1, Appli
c	11	20	4.0	74279	22	US-10-737-082-16	Sequence 16, Appl
c	12	20	4.0	74279	22	US-10-765-790-16	Sequence 16, Appl
c	13	19	3.8	363	20	US-10-425-115-161695	Sequence 161695,
c	14	19	3.8	423	20	US-10-425-115-72023	Sequence 72023, A
c	15	19	3.8	841	17	US-10-369-493-30339	Sequence 30339, A
c	16	19	3.8	1173	17	US-10-437-963-20448	Sequence 20448, A
c	17	19	3.8	1518	17	US-10-282-122A-41461	Sequence 41461, A
c	18	19	3.8	1684	19	US-10-767-701-12919	Sequence 12919, A
c	19	19	3.8	1230025	17	US-10-289-762-1	Sequence 1, Appli
c	20	18	3.6	27	20	US-10-810-550-76	Sequence 76, Appl
c	21	18	3.6	27	20	US-10-810-550-188	Sequence 188, App
c	22	18	3.6	37	17	US-10-281-845A-18	Sequence 18, Appl
c	23	18	3.6	154	9	US-09-983-965-920	Sequence 920, App
c	24	18	3.6	401	17	US-10-242-535A-24845	Sequence 24845, A
c	25	18	3.6	401	18	US-10-085-783A-24845	Sequence 24845, A
c	26	18	3.6	404	18	US-10-424-599-124366	Sequence 124366,
c	27	18	3.6	443	10	US-09-960-706-336	Sequence 336, App
c	28	18	3.6	443	10	US-09-873-319-199	Sequence 199, App
c	29	18	3.6	554	13	US-10-027-632-185328	Sequence 185328,
c	30	18	3.6	554	17	US-10-027-632-185328	Sequence 185328,
c	31	18	3.6	555	22	US-10-450-763-18723	Sequence 18723, A
c	32	18	3.6	584	18	US-10-424-599-23894	Sequence 23894, A
c	33	18	3.6	598	13	US-10-027-632-188179	Sequence 188179,
c	34	18	3.6	598	13	US-10-027-632-188180	Sequence 188180,
c	35	18	3.6	598	17	US-10-027-632-188179	Sequence 188179,
c	36	18	3.6	598	17	US-10-027-632-188180	Sequence 188180,
c	37	18	3.6	600	22	US-10-972-079-45012	Sequence 45012, A
c	38	18	3.6	600	22	US-10-972-079-45013	Sequence 45013, A
c	39	18	3.6	611	13	US-10-027-632-220860	Sequence 220860,
c	40	18	3.6	611	13	US-10-027-632-220861	Sequence 220861,
c	41	18	3.6	611	13	US-10-027-632-220862	Sequence 220862,
c	42	18	3.6	611	17	US-10-027-632-220860	Sequence 220860,
c	43	18	3.6	611	17	US-10-027-632-220861	Sequence 220861,
c	44	18	3.6	611	17	US-10-027-632-220862	Sequence 220862,
c	45	18	3.6	699	18	US-10-424-599-121442	Sequence 121442,

ALIGNMENTS

RESULT 1

US-09-464-767-1
; Sequence 1, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Boyle, David
; APPLICANT: Vrati, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vec
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464, 767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 29544
; TYPE: DNA
; ORGANISM: Ovine adenovirus
US-09-464-767-1

Query Match	100.0%;	Score 501;	DB 9;	Length 29544;
Best Local Similarity	100.0%;	Pred. No. 5e-243;		
Matches 501;	Conservative	0;	Mismatches 0;	Indels 0; Gaps 0;
Qy	1	AGAAAGTATAGGTTCCTATCTGTGAATCCATATTCATATTCCTTTGAAAAAGTCAAA	60	
Db	10001	AGAAAGTATAGGTTCCTATCTGTGAATCCATATTCATATTCCTTTGAAAAAGTCAAA	10060	
Qy	61	AGTAGAGTATAGAACCAAGTACCAAAATGTATATTTTCAGCTTTAAAGGTGACCTTGAACA	120	

Db 10061 AGTAGAGTAGAACCAAGTGACGAAATGTATATGTTTCAGCTTAAAGGTCGACTTGAACA 10120
Qy 121 TCCTGATTCCGACGAAGACAGACAGTGGACTTCAAAAATGAATAATTATCATAAATGGA 180
Db 10121 TCCTGATTCCGACGAAGACAGACAGTGGACTTCAAAAATGAATAATTATCATAAATGGA 10180
Qy 181 CTTCTAATGTTATAGATGCAATCTTATCAACAAAGCTCTTTTAGCTATATAAAATTTAA 240
Db 10181 CTTCTAATGTTATAGATGCAATCTTATCAACAAAGCTCTTTTAGCTATATAAAATTTAA 10240
Qy 241 AAGTCAACCGTTTGCAAAACAAATGGAATGCTTTTAGAATCAGCAGTGTGGCTCCAAGAAA 300
Db 10241 AAGTCAACCGTTTGCAAAACAAATGGAATGCTTTTAGAATCAGCAGTGTGGCTCCAAGAAA 10300
Qy 301 AGATGATACCTCTCAAAATGATAGCAAAATCTTTTAAAGAAATTAAGTCTTTGGGAGCTAT 360
Db 10301 AGATGATACCTCTCAAAATGATAGCAAAATCTTTTAAAGAAATTAAGTCTTTGGGAGCTAT 10360
Qy 361 TCGCAGTGATGAAGTTGGCCCAATTATATCTCGACCTTCTTATCAGAGTTCCAAATATAA 420
Db 10361 TCGCAGTGATGAAGTTGGCCCAATTATATCTCGACCTTCTTATCAGAGTTCCAAATATAA 10420
Qy 421 TAGCTTGAATGTTCAATCAAAATTTGCAAACTTTTAAACGAGACATTAATCATTCAATC 480
Db 10421 TAGCTTGAATGTTCAATCAAAATTTGCAAACTTTTAAACGAGACATTAATCATTCAATC 10480
Qy 481 CGATATAATTAGAGTTCCGA 501
Db 10481 CGATATAATTAGAGTTCCGA 10501

RESULT 2
US-09-464-767-3
; Sequence 3, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Boyle, David
; APPLICANT: Vrati, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vec
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464.767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 32745
; TYPE: DNA
; ORGANISM: synthetic construct
US-09-464-767-3

Query Match 100.0%; Score 501; DB 9; Length 32745;
Best Local Similarity 100.0%; Pred. No. 5.1e-243;
Matches 501; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 10000 AGAAGTATAGTTGCTACTACTGTGAATCCATATTGCAAAATCCTTTGAAAAGTCAAA 10059
Qy 61 AGTAGAAGTAGAACCAAGTGACGAAATGTATATGTTTACGCTTAAAGGTCGACTTGAACA 120
Db 10060 AGTAGAAGTAGAACCAAGTGACGAAATGTATATGTTTACGCTTAAAGGTCGACTTGAACA 10119
Qy 121 TCCTGATTCCGACGAAGACAGACAGTGGACTTCAAAAATGAATAATTATCATAAATGGA 180
Db 10120 TCCTGATTCCGACGAAGACAGACAGTGGACTTCAAAAATGAATAATTATCATAAATGGA 10179
Qy 181 CTTCTAATGTTATAGATGCAATCTTATCAACAAAGCTCTTTTAGCTATATAAAATTTAA 240
Db 10180 CTTCTAATGTTATAGATGCAATCTTATCAACAAAGCTCTTTTAGCTATATAAAATTTAA 10239
Qy 241 AAGTCAACCGTTTGCAAAACAAATGGAATGCTTTTAGAATCAGCAGTGTGGCTCCAAGAAA 300
Db 10241 AAGTCAACCGTTTGCAAAACAAATGGAATGCTTTTAGAATCAGCAGTGTGGCTCCAAGAAA 10300

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Qy 301 AGATGATACCTCTCAAAATGATAGCAAAATCTTTTAAAGAAATTAAGTCTTTGGGAGCTAT 360
Db 10300 AGATGATACCTCTCAAAATGATAGCAAAATCTTTTAAAGAAATTAAGTCTTTGGGAGCTAT 10359
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Qy 421 TAGCTTGAATGTTCAATCAAAATTTGCAAACTTTTAAACGAGACATTAATCATTCAATC 480
Db 10420 TAGCTTGAATGTTCAATCAAAATTTGCAAACTTTTAAACGAGACATTAATCATTCAATC 10479
Qy 481 CGATATAATTAGAGTTCCGA 501
Db 10480 CGATATAATTAGAGTTCCGA 10500

RESULT 3
US-10-027-632-123863
; Sequence 123863, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027.632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 123863
; LENGTH: 1165
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-123863

Query Match 4.0%; Score 20; DB 13; Length 1165;
Best Local Similarity 100.0%; Pred. No. 23;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 411 ACAAAATATAAGCTTGAAT 430
Db 119 ACAAAATATAAGCTTGAAT 138

RESULT 4
US-10-027-632-123864
; Sequence 123864, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027.632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006

;; PRIOR FILING DATE: 2000-07-12
;; PRIOR APPLICATION NUMBER: US 60/198,676
;; PRIOR FILING DATE: 2000-04-20
;; PRIOR APPLICATION NUMBER: US 60/193,483
;; PRIOR FILING DATE: 2000-03-29
;; PRIOR APPLICATION NUMBER: US 60/185,218
;; PRIOR FILING DATE: 2000-02-24
;; PRIOR APPLICATION NUMBER: US 60/167,363
;; PRIOR FILING DATE: 1999-11-23
;; PRIOR APPLICATION NUMBER: US 60/156,358
;; PRIOR FILING DATE: 1999-09-28
;; PRIOR APPLICATION NUMBER: US 60/146,002
;; PRIOR FILING DATE: 1999-08-09
;; NUMBER OF SEQ ID NOS: 325720
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 123864
;; LENGTH: 1165
;; TYPE: DNA
;; ORGANISM: Human
US-10-027-632-123864

Query Match 4.0%; Score 20; DB 13; Length 1165;
Best Local Similarity 100.0%; Pred. No. 23;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 411 ACAAATATAATAGCTTGAAT 430
|||||
Db 119 ACAAATATAATAGCTTGAAT 138

RESULT 5

US-10-027-632-123863
;; Sequence 123863, Application US/10027632
;; Publication No. US20030204075A9
;; GENERAL INFORMATION:
;; APPLICANT: Wang, David G.
;; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
;; FILE REFERENCE: 108827.129
;; CURRENT APPLICATION NUMBER: US/10/027,632
;; CURRENT FILING DATE: 2002-04-30
;; PRIOR APPLICATION NUMBER: US 60/218,006
;; PRIOR FILING DATE: 2000-07-12
;; PRIOR APPLICATION NUMBER: US 60/198,676
;; PRIOR FILING DATE: 2000-04-20
;; PRIOR APPLICATION NUMBER: US 60/193,483
;; PRIOR FILING DATE: 2000-03-29
;; PRIOR APPLICATION NUMBER: US 60/185,218
;; PRIOR FILING DATE: 2000-02-24
;; PRIOR APPLICATION NUMBER: US 60/167,363
;; PRIOR FILING DATE: 1999-11-23
;; PRIOR APPLICATION NUMBER: US 60/156,358
;; PRIOR FILING DATE: 1999-09-28
;; PRIOR APPLICATION NUMBER: US 60/146,002
;; NUMBER OF SEQ ID NOS: 325720
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 123863
;; LENGTH: 1165
;; TYPE: DNA
;; ORGANISM: Human
US-10-027-632-123863

Query Match 4.0%; Score 20; DB 17; Length 1165;
Best Local Similarity 100.0%; Pred. No. 23;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 411 ACAAATATAATAGCTTGAAT 430
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Db 119 ACAAATATAATAGCTTGAAT 138

RESULT 6

;; OTHER INFORMATION: n = a, c, g or t/u

US-10-027-632-123864
;; Sequence 123864, Application US/10027632
;; Publication No. US20030204075A9
;; GENERAL INFORMATION:
;; APPLICANT: Wang, David G.
;; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
;; FILE REFERENCE: 108827.129
;; CURRENT APPLICATION NUMBER: US/10/027,632
;; CURRENT FILING DATE: 2002-04-30
;; PRIOR APPLICATION NUMBER: US 60/218,006
;; PRIOR FILING DATE: 2000-07-12
;; PRIOR APPLICATION NUMBER: US 60/198,676
;; PRIOR FILING DATE: 2000-04-20
;; PRIOR APPLICATION NUMBER: US 60/193,483
;; PRIOR FILING DATE: 2000-03-29
;; PRIOR APPLICATION NUMBER: US 60/185,218
;; PRIOR FILING DATE: 2000-02-24
;; PRIOR APPLICATION NUMBER: US 60/167,363
;; PRIOR FILING DATE: 1999-11-23
;; PRIOR APPLICATION NUMBER: US 60/156,358
;; PRIOR FILING DATE: 1999-09-28
;; PRIOR APPLICATION NUMBER: US 60/146,002
;; PRIOR FILING DATE: 1999-08-09
;; NUMBER OF SEQ ID NOS: 325720
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 123864
;; LENGTH: 1165
;; TYPE: DNA
;; ORGANISM: Human
US-10-027-632-123864

Query Match 4.0%; Score 20; DB 17; Length 1165;
Best Local Similarity 100.0%; Pred. No. 23;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 411 ACAAATATAATAGCTTGAAT 430
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Db 119 ACAAATATAATAGCTTGAAT 138

RESULT 7

US-10-220-510-9/c
;; Sequence 9, Application US/10220510
;; Publication No. US20030190637A1
;; GENERAL INFORMATION:
;; APPLICANT: Hovnanian, Alain
;; APPLICANT: Chavanas, Stephane
;; APPLICANT: Cookson, William
;; APPLICANT: Moffat, Miriam
;; APPLICANT: Walley, Andrew
;; TITLE OF INVENTION: SUSCEPTIBILITY GENE FOR NETHERTON'S DISEASE
;; FILE REFERENCE: 100317.70009.US
;; CURRENT APPLICATION NUMBER: US/10/220,510
;; CURRENT FILING DATE: 2003-03-04
;; PRIOR APPLICATION NUMBER: GB 0005098.9
;; PRIOR FILING DATE: 2000-03-02
;; PRIOR APPLICATION NUMBER: GB 0005229.0
;; PRIOR FILING DATE: 2000-03-03
;; NUMBER OF SEQ ID NOS: 14
;; SOFTWARE: PatentIn Ver. 2.0
;; SEQ ID NO 9
;; LENGTH: 1621
;; TYPE: DNA
;; ORGANISM: Homo sapiens
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;; NAME/KEY: misc feature
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;; OTHER INFORMATION: n = a, c, g or t/u
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;; OTHER INFORMATION: n = a, c, g or t/u

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; OTHER INFORMATION: n = a, c, g or t/u
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; OTHER INFORMATION: n = a, c, g or t/u
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; NAME/KEY: misc feature
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; LOCATION: (1546)..(1546)
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; FEATURE:
; NAME/KEY: misc feature
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LOCATION: (1568)..(1568)
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FEATURE:
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LOCATION: (1605)..(1606)
OTHER INFORMATION: n = a, c, g or t/u
FEATURE:
NAME/KEY: misc feature
LOCATION: (1609)..(1611)
OTHER INFORMATION: n = a, c, g or t/u
FEATURE:
NAME/KEY: misc feature
LOCATION: (1613)..(1613)
OTHER INFORMATION: n = a, c, g or t/u
FEATURE:
NAME/KEY: misc feature
LOCATION: (1615)..(1615)
OTHER INFORMATION: n = a, c, g or t/u
FEATURE:
NAME/KEY: misc feature

Query Match 4.0%; Score 20; DB 16; Length 1621;
Best Local Similarity 100.0%; Pred. No. 23;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 34 TTGCAAAATCCCTTTGAAA 53
Db 694 TTGCAAAATCCCTTTGAAA 675

RESULT 8

US-09-883-343A-4/c
Sequence 4, Application US/09883343A
Publication No. US20030039632A1
GENERAL INFORMATION:
APPLICANT: Stiles, Michael E.
APPLICANT: Vederas, John C.
APPLICANT: van Belkum, Marius J.
APPLICANT: Worobo, Randy W.
APPLICANT: Greer, G. Gordon
APPLICANT: McMullen, Lynn M.
APPLICANT: Leisner, Jorgen J.
APPLICANT: Poon, Alison
APPLICANT: Franz, Charles M.A.P.
TITLE OF INVENTION: No. US20030039632A1e1bacteriocins, Transport and Vector System and
FILE REFERENCE: 660.0005US
CURRENT FILING DATE: 2001-06-19
PRIOR FILING DATE: 1997-09-05
PRIOR FILING DATE: 1996-09-05
NUMBER OF SEQ ID NOS: 80
SOFTWARE: PatentIn version 3.1
SEQ ID NO 4
LENGTH: 4290
TYPE: DNA
ORGANISM: Leucocin A gene;
US-09-883-343A-4

Query Match 4.0%; Score 20; DB 10; Length 4290;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 160 TGAATAATTATCATAAATGG 179
Db 3119 TGAATAATTATCATAAATGG 3100

RESULT 9

US-11-013-314-35/c
Sequence 35, Application US/11013314
Publication No. US20050166269A1
GENERAL INFORMATION:
APPLICANT: TONONI, GIULIO
APPLICANT: CIRELLI, CHIARA
TITLE OF INVENTION: SLEEP GENES IN DROSOPHILA AND THEIR USE FOR THE
FILE REFERENCE: WARF-010US
CURRENT APPLICATION NUMBER: US/11/013,314
CURRENT FILING DATE: 2004-12-15
PRIOR APPLICATION NUMBER: 60/563,858
PRIOR FILING DATE: 2004-04-20
PRIOR APPLICATION NUMBER: 60/529,536
PRIOR FILING DATE: 2003-12-15
NUMBER OF SEQ ID NOS: 55
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 35
LENGTH: 17404
TYPE: DNA
ORGANISM: Drosophila melanogaster
US-11-013-314-35

Query Match 4.0%; Score 20; DB 24; Length 17404;
Best Local Similarity 100.0%; Pred. No. 30;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 156 AAAATGAATAATTATCATAA 175
Db 3588 AAAATGAATAATTATCATAA 3569

RESULT 10

US-10-369-978-1/c
Sequence 1, Application US/10369978
Publication No. US20030152991A1
GENERAL INFORMATION:
APPLICANT: Zuker, Charles S.
APPLICANT: Wallingham, Aaron
APPLICANT: Walker, Richard G.
TITLE OF INVENTION: The Regents of the University of California
FILE REFERENCE: 02307E-097600US
CURRENT APPLICATION NUMBER: US/10/369,978
CURRENT FILING DATE: 2003-02-18
PRIOR APPLICATION NUMBER: US/09/392,812A
PRIOR FILING DATE: 1999-09-09
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 24358
TYPE: DNA
ORGANISM: Drosophila melanogaster
FEATURE:
OTHER INFORMATION: genomic nompC (no-mechanoreceptor potential C)
OTHER INFORMATION: nucleotide sequence
US-10-369-978-1

Query Match 4.0%; Score 20; DB 16; Length 24358;
Best Local Similarity 100.0%; Pred. No. 30;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 156 AAAATGAATAATTATCATAA 175
Db 4782 AAAATGAATAATTATCATAA 4763

RESULT 11

US-10-737-082-16/c
Sequence 16, Application US/10737082
Publication No. US20050130170A1

```
; GENERAL INFORMATION:
; APPLICANT: Bayer Healthcare LLC
; APPLICANT: Beard, Chris
; APPLICANT: Burgess, Chris
; APPLICANT: Gannon, Allison
; APPLICANT: Harvey, Jeanne
; APPLICANT: Lechner, John F.
; APPLICANT: Li, Zheng
; TITLE OF INVENTION: Identification and Verification of Methylation Marker Sequences
; FILE REFERENCE: 1657/2032
; CURRENT APPLICATION NUMBER: US/10/737,082
; CURRENT FILING DATE: 2003-12-16
; PRIOR APPLICATION NUMBER: US 10/737,082
; PRIOR FILING DATE: 2003-12-16
; NUMBER OF SEQ ID NOS: 300
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 16
; LENGTH: 74279
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-737-082-16

Query Match          4.0%; Score 20; DB 22; Length 74279;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 34 TTGCAAAAATCCTTTGAAAA 53
Db 31362 TTGCAAAAATCCTTTGAAAA 31343

RESULT 12
US-10-765-790-16/c
; Sequence 16, Application US/10765790
; Publication No. US20050130172A1
; GENERAL INFORMATION:
; APPLICANT: Bayer Healthcare LLC
; APPLICANT: Beard, Chris
; APPLICANT: Burgess, Chris
; APPLICANT: Gannon, Allison
; APPLICANT: Harvey, Jeanne
; APPLICANT: Lechner, John F.
; APPLICANT: Li, Zheng
; TITLE OF INVENTION: Identification and Verification of Methylation Marker Sequences
; FILE REFERENCE: 1657/2035
; CURRENT APPLICATION NUMBER: US/10/765,790
; CURRENT FILING DATE: 2004-01-27
; PRIOR APPLICATION NUMBER: US 10/737,082
; PRIOR FILING DATE: 2003-12-16
; NUMBER OF SEQ ID NOS: 300
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 16
; LENGTH: 74279
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-765-790-16

Query Match          4.0%; Score 20; DB 22; Length 74279;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 34 TTGCAAAAATCCTTTGAAAA 53
Db 31362 TTGCAAAAATCCTTTGAAAA 31343

RESULT 13
US-10-425-115-161695/c
; Sequence 161695, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
```

```
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 161695
; LENGTH: 363
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_79042C.1
US-10-425-115-161695

Query Match          3.8%; Score 19; DB 20; Length 363;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 37 CAAAAATCCTTTGAAAAAG 55
Db 28 CAAAAATCCTTTGAAAAAG 10

RESULT 14
US-10-425-115-72023/c
; Sequence 72023, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 72023
; LENGTH: 423
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_165687C.1
US-10-425-115-72023

Query Match          3.8%; Score 19; DB 20; Length 423;
Best Local Similarity 100.0%; Pred. No. 66;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 224 AGCTATAAAATTTTAAAA 242
Db 33 AGCTATAAAATTTTAAAA 15

RESULT 15
US-10-369-493-30339
; Sequence 30339, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
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; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 30339
; LENGTH: 841
; TYPE: DNA
; ORGANISM: Caenorhabditis elegans
US-10-369-493-30339

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Query Match 3.8%; Score 19; DB 17; Length 841;
Best Local Similarity 100.0%; Pred. No. 71;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 36 GCAAAATCCTTTGAAAAA 54
|||
Db 636 GCAAAATCCTTTGAAAAA 654

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Job time : 773.646 secs

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OM nucleic - nucleic search, using sw model

Run on: September 26, 2005, 09:25:56 ; Search time 114.98 Seconds
(without alignments)
7129.691 Million cell updates/sec

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Perfect score: 501
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Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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5: /cgn2_6/ptodata/1/ina/PTUS_COMB.seq.*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	65	13.0	26270	4	US-09-717-364A-1
2	64.8	12.9	34185	3	US-09-545-481-3
3	64	12.8	1515	4	US-09-717-364A-4
4	44.8	8.9	34794	4	US-09-713-678-39
5	44.4	8.9	1784	4	US-09-601-198-21
6	44.2	8.8	34446	3	US-09-103-330-35
7	44	8.8	2334	1	US-08-062-632-4
8	42.8	8.5	1141	4	US-09-806-708B-22
9	41.8	8.3	43804	3	US-09-171-461-1
10	41.8	8.3	43804	4	US-09-970-711-1
11	41.4	8.3	41736	4	US-09-949-016-17091
12	39	7.8	66804	4	US-09-740-041-3
13	38.8	7.7	5855	1	US-08-592-214A-20
14	38.8	7.7	5855	3	US-09-149-976-20
15	38.6	7.7	832	4	US-09-621-976-2813
16	38.6	7.7	1338	4	US-09-543-681A-2029
17	38.6	7.7	27970	4	US-09-949-016-15314
18	38.4	7.7	13938	4	US-09-949-016-16019
19	38.4	7.7	13938	4	US-09-949-016-16020
20	38.4	7.7	640681	4	US-09-790-988-1
21	38.2	7.6	177293	4	US-09-949-016-16513
22	38	7.6	33519	4	US-09-949-016-17165
23	38	7.6	43164	4	US-09-949-016-12985
24	38	7.6	43164	4	US-09-949-016-12986
25	38	7.6	43164	4	US-09-949-016-13262
26	38	7.6	43164	4	US-09-949-016-13263
27	38	7.6	70000	3	US-09-851-896-3

28	38	7.6	76399	4	US-09-949-016-16819	Sequence 16819, A
29	37.8	7.5	516	4	US-09-248-796A-4867	Sequence 4867, Ap
c 30	37.8	7.5	183202	4	US-09-949-016-13614	Sequence 13614, A
31	37.6	7.5	212139	4	US-09-949-016-16065	Sequence 16065, A
c 32	37.6	7.5	385136	4	US-09-949-016-16073	Sequence 16073, A
c 33	37.4	7.5	39686	4	US-09-949-016-13633	Sequence 13633, A
c 34	37.4	7.5	49487	4	US-09-949-016-11770	Sequence 11770, A
c 35	37.2	7.4	603	4	US-09-248-796A-6444	Sequence 6444, Ap
36	37	7.4	1141	4	US-09-806-708B-22	Sequence 22, Appl
37	36.8	7.3	18773	4	US-09-949-016-14164	Sequence 14164, A
c 38	36.8	7.3	94133	4	US-09-949-016-11901	Sequence 11901, A
c 39	36.8	7.3	94133	4	US-09-949-016-12713	Sequence 12713, A
c 40	36.8	7.3	94135	4	US-09-949-016-15934	Sequence 15934, A
c 41	36.8	7.3	94135	4	US-09-949-016-15935	Sequence 15935, A
c 42	36.8	7.3	94135	4	US-09-949-016-15936	Sequence 15936, A
c 43	36.8	7.3	94135	4	US-09-949-016-15937	Sequence 15937, A
c 44	36.6	7.3	659	4	US-09-270-767-29436	Sequence 29436, A
c 45	36.6	7.3	729	4	US-09-601-198-16	Sequence 16, Appl

ALIGNMENTS

RESULT 1
US-09-717-364A-1
; Sequence 1, Application US/09717364A
; Patent No. 6663872
; GENERAL INFORMATION:
; APPLICANT: Pitkovski, Jacob
; APPLICANT: Mualem, Margalit
; APPLICANT: Koren, Ziv Rei
; APPLICANT: Krisspel, Simcha
; APPLICANT: Shmueli, Esther
; APPLICANT: Peretz, Yifat
; APPLICANT: Gutter, Bezael
; APPLICANT: Gallili, Gilad
; APPLICANT: Michael, Amnon
; APPLICANT: Goldberg, Doron
; TITLE OF INVENTION: HEMORRHAGIC ENTERITIS VIRUS DNA SEQUENCES, PROTEINS ENCODED THEREOF
; TITLE OF INVENTION: VARIOUS USES THEREOF
; FILE REFERENCE: 1567/63655
; CURRENT APPLICATION NUMBER: US/09/717,364A
; CURRENT FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: IL124567
; PRIOR FILING DATE: 1998-05-20
; PRIOR APPLICATION NUMBER: PCT/IL9900268
; PRIOR FILING DATE: 1999-05-19
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 1
; LENGTH: 26270
; TYPE: DNA
; ORGANISM: hemorrhagic enteritis virus
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (25290)..
; OTHER INFORMATION: N=Unknown
US-09-717-364A-1

Query Match 13.0%; Score 65; DB 4; Length 26270;
Best Local Similarity 53.6%; Pred. No. 5.7e-07;
Matches 157; Conservative 0; Mismatches 135; Indels 1; Gaps 1;

Qy	162	ATAAATATCATAAATGACCTTCTTAATGTTATAGATCAATTCATCAACAAAGCTCTT	221
Db	9446	ATCAAAACGAAAGAAATGCTCTTAAAGATGTGCAGAGATCTTATCTGGAATGCTCCT	9505
Qy	222	TTA-GCTATATAAATTTTAAAGTCACCCGTTGCAACAAATTTGAATGCTTTAGAATCA	280
Db	9506	AGATTGTCAAAGGAATTTAGAAATATGCCCGTAGCTAATAAATGATTTGAGTTGAGAAA	9565
Qy	281	GCAGTTGTGCTCCAGAAAAGATGATCTCCTGGAATATAGCAAAATCTTTTAAAGAA	340

Db 9566 GCAATGTTTCAGCCTAAAAAGACAGATACCTCCAACCATGCTTTCTATATAATTGTTAAACAA 9625
QY 341 TTAGTTGCTTTGGAGCTATTGCGAGTGTGAGTTGGCCCATTAATTCTGACCTTTCT 400
Db 9626 TTAGTTGATACAGGGGCTATTTTCCCTGAGAGAGCTTCTGCTGTTTATAGCAGGTTGTTG 9685
QY 401 ATCAGAGTTTCACAAAATATATAGTCTTGAATGTTCAATCAAAATTTGCAAACTTTT 453
Db 9686 GACAGGCTTGTAAAGTTTAACTCTATTAGAATCATATAAATCTAGAGGTCT 9738

RESULT 2
US-09-545-481-3
; Sequence 3, Application US/09545481
; Patent No. 6451319
; GENERAL INFORMATION:
; APPLICANT: Chiang, Christina H.
; APPLICANT: Cochran, Mark D.
; TITLE OF INVENTION: No. 6451319el Recombinant And Mutant Adenoviruses
; FILE REFERENCE: SY0993K US
; CURRENT APPLICATION NUMBER: US/09/545,481
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: 60/128,766
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 34185
; TYPE: DNA
; ORGANISM: Bovine adenovirus type 1
US-09-545-481-3

Query Match 12.9%; Score 64.8; DB 3; Length 34185;
Best Local Similarity 55.3%; Pred.No. 7e-07;
Matches 126; Conservative 0; Mismatches 102; Indels 0; Gaps 0;
QY 242 AGTCAACCGTTTGCACAAACAAATGGAATGCTTTAGAAATCAGCAGTGTGCTCCCAAGAAA 301
Db 11612 AGTCAGCCATTGCAATAGGATCAGCGCTATTCTTGAGCGGTGCTTCTTAGAAAA 11671
QY 302 GATGATATCTCGAAATGATAGCAATCTTTTAAAGAAATGATGCTTTGGAGGCTATT 361
Db 11672 AATCCGACTCATGAAAAGTGTGTCAATTTGTCACGCCCTTGTGTAGAAAACGGCGCTATT 11731
QY 362 CGCAGTGATGAAGTTGGCCCATTTATATTCTGACCTTCTTATCAGAGTTTCAAAATATAAT 421
Db 11732 CGTCTGATGAGGAGGAGGAGGTGTACAACGCTCTGCTTGAGAGGGTATCTCGATACAC 11791
QY 422 AGCTTGAATGTTCAATCAAAATTTGCAAACTTTTAAACAGGAGACATTAAA 469
Db 11792 AGTATGAATGTTTCAGACTAGTAGACAGGCTTAGTCAAGATGTGAGA 11839

RESULT 3
US-09-717-364A-4
; Sequence 4, Application US/09717364A
; Patent No. 6663872
; GENERAL INFORMATION:
; APPLICANT: Pitkovski, Jacob
; APPLICANT: Muallem, Margalit
; APPLICANT: Koren, Ziv Rei
; APPLICANT: Krispel, Simcha
; APPLICANT: Shmueli, Esther
; APPLICANT: Peretz, Yifat
; APPLICANT: Gutter, Bezalel
; APPLICANT: Gallili, Gilad
; APPLICANT: Michael, Amnon
; APPLICANT: Goldberg, Doron
; TITLE OF INVENTION: HEMORRHAGIC ENTERITIS VIRUS DNA SEQUENCES, PROTEINS ENCODED THERE
; FILE REFERENCE: 1567/63655
; CURRENT APPLICATION NUMBER: US/09/717,364A
; CURRENT FILING DATE: 2000-11-20

; PRIOR APPLICATION NUMBER: IL124567
; PRIOR FILING DATE: 1998-05-20
; PRIOR APPLICATION NUMBER: PCT/IL9900268
; PRIOR FILING DATE: 1999-05-19
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 1515
; TYPE: DNA
; ORGANISM: hemorrhagic enteritis virus
US-09-717-364A-4

Query Match 12.8%; Score 64; DB 4; Length 1515;
Best Local Similarity 54.3%; Pred.No. 4.4e-07;
Matches 150; Conservative 0; Mismatches 125; Indels 1; Gaps 1;
QY 179 GACTTCTAATGTTATAGATGCAATTTCTATCAAAACAAAGCTCTTTTA-GCTATAAAAAATTT 237
Db 3 GTCTTCTAAGGATGTGGCAGAGATCTTATCTGAAAATGCTCTAGATTGTCAAGGAATT 62
QY 238 TAAAGTCAACCGTTTGCACAAACAAATTCGAATGCTTTAGAAATCAGCAGTTGTGCTCCCAAG 297
Db 63 TAGAAATATGCCGTAGCTATAAAATGATTGAGTTGGAGAAAGCAATTTGTTACGCTTA 122
QY 298 AAAAGATGATCTCTCGAAATGATAGCAAAATCTTTTAAAAAGAAATTAGTTGCTTTGGGAGC 357
Db 123 AAAGACAGATACTCCCAACCATGCTTTCTATAATTTGTTAAACAATTTAGTTGATACAGGGGC 182
QY 358 TATTGCGAGTGATGAAGTTGGCCCATTAATTTCTGACCTTCTTATCAGAGTTTCAAAATA 417
Db 183 TATTTTCCCTGAAGAAGCTTCTGCTGTTTATAGCAGGTTGTTGGACAGGCTTTGTAAGTT 242
QY 418 TAATAGCTTGAATGTTCAATCAAAATTTGCAAACTTT 453
Db 243 TAACTCTATTAGAAATCATATAAATCTTAGAAGGTCT 278

RESULT 4
US-09-713-678-39
; Sequence 39, Application US/09713678
; Patent No. 6492169
; GENERAL INFORMATION:
; APPLICANT: Vogels, Ronald
; APPLICANT: Havenga, Menzo
; APPLICANT: Mehtali, Majid
; TITLE OF INVENTION: COMPLEMENTING CELL LINES
; FILE REFERENCE: 4615US
; CURRENT APPLICATION NUMBER: US/09/713,678
; CURRENT FILING DATE: 2000-11-15
; PRIOR APPLICATION NUMBER: US 09/573,740
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: US 60/134,764
; PRIOR FILING DATE: 1999-05-18
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 39
; LENGTH: 34794
; TYPE: DNA
; ORGANISM: Human Adenovirus Type 35
US-09-713-678-39

Query Match 8.9%; Score 44.8; DB 4; Length 34794;
Best Local Similarity 49.6%; Pred.No. 0.11;
Matches 115; Conservative 0; Mismatches 117; Indels 0; Gaps 0;
QY 231 AAAATTTTAAAGTCAACCGTTTGCACAAACAAATTTGAATGCTTTTAGAATCAGCAGTTGTGC 290
Db 11972 AAGCCTTTTAGACAGCAACCCAGGCAACCGCTCTATCGCCATCATCGGAAGCTGTAGTGC 12031
QY 291 CTCGAGAAAGATGATACTCTGAAATGATAGCAAAATCTTTTAAAGAAATTAGTTGCTT 350
Db 12032 CTTCGCCGATCTAATCCCACTCATGAGAAGGTCCTGGCCATCGTGAACGCGTTGGTGAGA 12091

QY 351 TGGGAGCTATTGCGAGTGATGAGTTGGCCCATATATATCTTGACCTCTTATCAGAGTTC 410
DB 12092 ACAAGACTATTGCTCCAGATGAGCGCGACTGGTATACAACGCTCTCTTAGAAGCGGTGG 12151
QY 411 ACAATATAATAGCTTGAATGTTCAATCAAAATTTGCAAACTTTTAACAGGAGA 462
DB 12152 CTCGTACACAGTAGCAATGTGCAACCAATTTGGACCGTATGATAACAGA 12203

RESULT 5

US-09-601-198-21/c
; Sequence 21, Application US/09601198
; Patent No. 6531583
; GENERAL INFORMATION:
; APPLICANT: Cassell, Gail H.
; APPLICANT: Chen, Ellison Y.
; APPLICANT: Glass, Jennifer S.
; APPLICANT: Glass, John I.
; APPLICANT: Heiner, Cheryl R.
; APPLICANT: Lefkowitz, Elliot
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND METHOD FOR DETECTING UREAPLASMA
; FILE REFERENCE: UAB-13452/22
; CURRENT APPLICATION NUMBER: US/09/601,198
; CURRENT FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/073,189
; PRIOR FILING DATE: 1998-01-30
; NUMBER OF SEQ ID NOS: 181
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 21
; LENGTH: 1784
; TYPE: DNA
; ORGANISM: Ureaplasma urealyticum
US-09-601-198-21

Query Match 8.9%; Score 44.4; DB 4; Length 1784;
Best Local Similarity 49.6%; Pred. No. 0.056;
Matches 114; Conservative 0; Mismatches 116; Indels 0; Gaps 0;
QY 13 TTGCTATCTGTAATCCATATTTGCAAAATCTTTGAAAAGTCAAAAGTAGAAGTAGA 72
DB 514 TTGATCAAGACTACAAATTAAGCGCAGTACTAGCAAAATTAATCCAGAAATAT 455
QY 73 ACCAAGTCAGCAAAATGTATATGTTTCAGCTTAAAGGTGCACCTTGAACTCTGATTCGA 132
DB 454 AATTAAAAAAGCATATAAATAAAAAAATAATACCGTTATTATCTTTATATTTACTA 395
QY 133 CGAAGCAGACAGTGGACTTCAAAATGAATATATATCAATGAATGGACTTCTAATGTTA 192
DB 394 CGTAAAAAATAATATTTAAAAATATAAGTTATTAAACTTTCAAAAAACAATATTTAATATTA 335
QY 193 TAGATGCAATCTTATCAACAAAGCTCTTTTGGCTATATAAAATTTTAAAA 242
DB 334 AAAAACCTATTTTAGTAAAAAATATGTTTTTACGTGAATACTTTTTTGAA 285

RESULT 6

US-09-103-330-35
; Sequence 35, Application US/09103330A
; Patent No. 6319716
; GENERAL INFORMATION:
; APPLICANT: TIKOO, SURESH K.
; APPLICANT: BABIUK, LORNE A.
; APPLICANT: REDDY, POLICE S.
; TITLE OF INVENTION: ISOLATION OF MUTANTS IN THE E3 REGION OF THE
; FILE REFERENCE: 293102002121
; CURRENT APPLICATION NUMBER: US/09/103,330A
; CURRENT FILING DATE: 1998-06-23
; EARLIER APPLICATION NUMBER: 08/880,234
; EARLIER FILING DATE: 1997-06-23
; EARLIER APPLICATION NUMBER: 08/164,292
; EARLIER FILING DATE: 1993-12-09

; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 35
; LENGTH: 34446
; TYPE: DNA
; ORGANISM: Bovine adenovirus type 3
US-09-103-330-35

Query Match 8.8%; Score 44.2; DB 3; Length 34446;
Best Local Similarity 49.0%; Pred. No. 0.15;
Matches 118; Conservative 0; Mismatches 123; Indels 0; Gaps 0;

QY 228 ATAAAAATTTTAAAGTCNACCGTTTGCACAAATTTGAATGCTTTAGAAATCAGCAGTTG 287
DB 11285 ATGGAGACTTTTGGCTCGCAGCCCGAGCGAACCCGTTTGGAGCCATCTCTCGAAGCCGTGG 11344
QY 288 TGCCTCCAAAGAAAGATGATACTCTGAAATGATAGCAAAATCTTTTAAAGAAATTTAGTTG 347
DB 11345 TGCCCCCGCGCTCGATCCCAACCATGAAAAGTGCTAGCTATTGTGAATGGCTCTTGG 11404
QY 348 CTTTGGAGCTATTTCGCAGTGATGAAAGTTGGCCCATATATTTCTGACCTTCTTATCAGAG 407
DB 11405 AGACTCAGGCCATCCGTGCGGATGAGGCCGACAGATGTACACCGCGCTGTTGCAGCGGG 11464
QY 408 TTCACAAATATAATAGCTTGAATGTTCAATCAAAATTTGCAAACTTTAACAGAGACATTA 467
DB 11465 TGGCCAGATACACAGTGTGAATGTGCAGGGCAATTTGGACAGGCTGATTCAGGACGTGA 11524
QY 468 A 468
DB 11525 A 11525

RESULT 7

US-08-062-632-4/c
; Sequence 4, Application US/08062632
; Patent No. 5712090
; GENERAL INFORMATION:
; APPLICANT: Artiushin, Sergey
; APPLICANT: Stipkovits, Laelo
; APPLICANT: Minlon, F. Chris
; TITLE OF INVENTION: PCR-Based Assay For Mycoplasma
; TITLE OF INVENTION: Hypopneumoniae
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dickstein, Shapiro and Morin
; STREET: 2101 L. St. NW
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 22037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/062,632
; FILING DATE: 18-MAY-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Brady Jr., James W.
; REGISTRATION NUMBER: 32,115
; REFERENCE/DOCKET NUMBER: 18900.018
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)785-9700
; TELEFAX: (202)887-0889
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2334 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

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NAME/KEY: misc feature
LOCATION: (21102)
OTHER INFORMATION: /gene: L3 /note= protease splice acceptor site
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LOCATION: (21123)
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LOCATION: (21767)
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FEATURE:
NAME/KEY: polyA site
LOCATION: (21836)
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FEATURE:
NAME/KEY: gene
LOCATION: (28363)..(31768)
OTHER INFORMATION: /gene: L5
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NAME/KEY: polyA site
LOCATION: (31770)
US-09-171-461-1
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Best Local Similarity 51.3%; Pred. No. 0.69;
Matches 97; Conservative 0; Mismatches 92; Indels 0; Gaps 0;
QY 247 ACCGTTTCGAAACAAATGAATGCTTTTAGATCAGACGTTGTGCTCCAGAAAAGATGA 306
DB 13426 ACCCTACGNAATCGCTTCATCAAACTCCAGAGCGCCATGTGCTCCAAAAGTGACGG 13485
QY 307 TACTCTCTGAATGATAGCAATCTTTTAAAGAAATAGTTGCTTTGGAGCTATTCGAG 366
DB 13486 TACTTCCGAGCGGGTGGCGGAATCGTGAAGGGGTAGCCGAGCGGCATCTACCC 13545
QY 367 TGATGAAGTTGGCCCATATATTTCTGACCTTCTTATCAGAGTTTCAAAATATATAGCTT 426
DB 13546 CGATCAGATGGCGGATCCACTCAGATTTGTTTAACTGAGCTTACACGTGGAATTCAT 13605
QY 427 GAATGTTTCA 435
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Db 13606 GGGGGTGCA 13614
RESULT 10
US-09-970-711-1
; Sequence 1, Application US/09970711
; Patent No. 6773709
; GENERAL INFORMATION:
; APPLICANT: Baker, Adam
; APPLICANT: Cotten, Matthew
; APPLICANT: Chiocca, Susanna
; APPLICANT: Kurzbaue, Robert
; APPLICANT: Schaffner, Gotthold
; TITLE OF INVENTION: Chicken Embryo Lethal Orphan (CELO) Virus
; FILE REFERENCE: 0652.1800001
; CURRENT APPLICATION NUMBER: US/09/970,711
; CURRENT FILING DATE: 2001-10-05
; PRIOR APPLICATION NUMBER: 09/171,461
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: PCT/BP97/01944
; PRIOR FILING DATE: 1997-04-18
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 43804
; TYPE: DNA
; ORGANISM: CELO Virus
; FEATURE:
; NAME/KEY: gene
; LOCATION: (12193)..(15043)
; OTHER INFORMATION: /gene: L1
; NAME/KEY: misc feature
; LOCATION: (15080)
; OTHER INFORMATION: /note= L2 region penton base splice acceptor site
; NAME/KEY: gene
; LOCATION: (15110)..(17495)
; OTHER INFORMATION: /gene: L2
; NAME/KEY: polyA site
; LOCATION: (17526)
; NAME/KEY: gene
; LOCATION: (17559)..(21754)
; OTHER INFORMATION: /gene: L3
; NAME/KEY: misc feature
; LOCATION: (18261)
; OTHER INFORMATION: /gene: L3 /note= hexon splice acceptor site
; NAME/KEY: misc feature
; LOCATION: (21102)
; OTHER INFORMATION: /gene: L3 /note= protease splice acceptor site
; NAME/KEY: misc feature
; LOCATION: (21123)
; OTHER INFORMATION: /gene: L3 /note= protease splice acceptor site
; NAME/KEY: polyA site
; LOCATION: (21767)
; NAME/KEY: polyA site
; LOCATION: (21824)
; NAME/KEY: polyA site
; LOCATION: (21836)
; NAME/KEY: polyA site
; LOCATION: (21882)
; NAME/KEY: misc feature
; LOCATION: (23608)
; OTHER INFORMATION: /note= 100K splice acceptor site
; NAME/KEY: misc feature
; LOCATION: (23649)
; OTHER INFORMATION: /note= 100K splice acceptor site
; NAME/KEY: gene
; LOCATION: (23680)..(27886)
; OTHER INFORMATION: /gene: L4
; NAME/KEY: polyA site
; LOCATION: (27920)
; NAME/KEY: misc feature
; LOCATION: (28315)
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OTHER INFORMATION: /note= fibre splice acceptor site
NAME/KEY: misc feature
LOCATION: (28341)
OTHER INFORMATION: /note= fibre splice acceptor site
NAME/KEY: gene
LOCATION: (28363)..(31768)
OTHER INFORMATION: /gene: L5
NAME/KEY: misc feature
LOCATION: (30511)
OTHER INFORMATION: /gene: L5 /note= fibre splice acceptor site
NAME/KEY: polyA site
LOCATION: (31770)
US-09-970-711-1

Query Match 8.3%; Score 41.8; DB 4; Length 43804;
Best Local Similarity 51.3%; Pred. No. 0.69; Indels 0; Gaps 0;
Matches 97; Conservative 0; Mismatches 92; Indels 0; Gaps 0;
QY 247 ACCGTTTGCAACAAATGAATGCTTTAGAATCAGCAGTTGTGCGCTCCCAAGAAAAGATGA 306
DB 13426 ACCCTACGCAATCGCTCATCAAACTCCAGAGCGCATGGTCCCTCCAAAAGTGAACG 13485
QY 307 TACTCTGAATGATAGCAAAATCTTTAAAAGAAATAGTTGCTTTGGGAGCTATTGCGAG 366
DB 13486 TACTTCGAGCGGGTGGCGAAATCGTAAAGGGCTAGCCGAGCAAGGCGCCATCTACCC 13545
QY 367 TGATGAAGTTGGCCATTATATCTGACCTTCTTATCAGAGTTCCACAAATATAATAGCTT 426
DB 13546 CGATCAGATGGGCGCATCCACTCAGATTGCTTTAATCAGCTTACACGTGGAATTCAT 13605
QY 427 GAATGTTC 435
DB 13606 GGGGGTGCA 13614

RESULT 11
US-09-949-016-17091
Sequence 17091, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 27012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 17091
LENGTH: 41736
TYPE: DNA
ORGANISM: Human
US-09-949-016-17091

Query Match 8.3%; Score 41.4; DB 4; Length 41736;
Best Local Similarity 53.4%; Pred. No. 0.86;
Matches 87; Conservative 0; Mismatches 76; Indels 0; Gaps 0;
QY 146 AGTGGACTTCAAAATGAATATATCATAAATGAGCTTCTAATGTTATAGATGCAATTC 205
DB 29836 AGTGTGAAAAAACAAGATTAGCTCAATATATATCTAAATTTATAAAATAAAATTTG 29895
QY 206 ATCAACAAAGCTCTTTTGTAGCTATAAAATTTTAAAGTCAACCGTTTGCAACAAATTTG 265
DB 29896 TACAATAATAATAACATACCATTAATAATTTTAAATAGATAAAATTTACATACAGCAG 29955
QY 266 AATGCTTTTAGAATCAGCAGTTGTGCTCCCAAGAAAAGATGATA 308

DB 29956 AATACTTATGTAGTGCCAACTCGTACTCAATAAATAGAAAATA 29998

RESULT 12
US-09-740-041-3/c
Sequence 3, Application US/09740041
Patent No. 6562593
GENERAL INFORMATION:
APPLICANT: MERKULOV, Karl et al
TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,
NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,
AND USES THEREOF
FILE REFERENCE: CL001001
CURRENT APPLICATION NUMBER: US/09/740,041
CURRENT FILING DATE: 2000-12-20
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 66804
TYPE: DNA
ORGANISM: Human
US-09-740-041-3

Query Match 7.8%; Score 39; DB 4; Length 66804;
Best Local Similarity 48.7%; Pred. No. 4.1;
Matches 135; Conservative 0; Mismatches 140; Indels 2; Gaps 1;
QY 85 AATGTATATGTTTCACCTTAAAGGTGCACCTTGAACATCTGATTCGAGCAGACGAGA 144
DB 66049 ATTGTAGTATTTCTCTGTATACTACTGCTATATATTGTGTGATTTCCCTGAATATCATTC 65990
QY 145 CAGTGGACTTCAAAATGAATATATCATAAATGACTTCTAATGTTATAGATGCAATTC 204
DB 65989 CAAATAGAGTCATCATGATATCTTTTGATACA--AAATCATATTTTATACATCTGATG 65932
QY 205 TATCAACAAAGCTCTTTTAGCTATATAAAATTTTAAAGTCAACCGTTTGCAACAAAT 264
DB 65931 AAATCTTCTAATAATCTCCAGCAGAAAAGGCTAAAGAGATACATTTTTTAAAAATAGA 65872
QY 265 GAATGCTTTAGATCAGCAGTTGTGCTCCAGAAAGATGATGATCTCTGTAATGATAGC 324
DB 65871 AAATCTTCTCAGAAAGCTTTACCTTAAGAAAACATGAACCTACTTCTTAATTAATTA 65812
QY 325 AAATCTTTTAAAGAAATAGTTGCTTTGGGAGCTATT 361
DB 65811 ATGCTTTAAAGTTGTAGTAGTTGGGACATCAT 65775

RESULT 13
US-08-592-214A-20/c
Sequence 20, Application US/08592214A
Patent No. 5811536
GENERAL INFORMATION:
APPLICANT: Yanofsky, Martin F.
TITLE OF INVENTION: Cauliflower Floral Meristem Identify
TITLE OF INVENTION: Genes and Methods of Using Same
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell and Flores
STREET: 4370 La Jolla Village Drive, Suite 700
CITY: San Diego
STATE: California
COUNTRY: United States
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/592,214A
FILING DATE: 26-JAN-1996

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; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-UD 3291
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5855 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..5855
; OTHER INFORMATION: /note= "sequence = Arabidopsis
; thaliana CAL gene"
US-09-149-976-20

Query Match 7.7%; Score 38.8; DB 3; Length 5855;
Best Local Similarity 48.4%; Pred. No. 2.2;
Matches 106; Conservative 0; Mismatches 113; Indels 0; Gaps 0;

Qy 141 AACACAGTGCACCTCAAAATGAATATTATCATAAATGGACTTCTAATGTTATAGATGCA 200
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
1167 AATNAAGGAATATCCAAATACAAATTACCATAAAGTTTTTTTGTCTACTACTAAGCAA 1108
Qy 201 ATTCTATCAAAACAAAGCTCTTTTAGCTATATAAAATTTTAAAGTCAACCGTTTGCACAA 260
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
1107 ATTATATCTCAACTTTCTTTTGTCTAAATTTGCTTTGATGGAAATCTAGGGATAA 1048
Qy 261 AATTGAATGCTTTAGAAATCAGCAGTTGTGCTCTCAAGAAAAGATGATACCTCGAAATGA 320
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
1047 ATTAAGAGAACTACGTATTATAGATTAAATACACCATGATCACCTTAAAGCAGACCAATGA 988
Qy 321 TACCAATCTTTTAAAGAAATTAAGTTAGTTGCTTTGGAGCTA 359
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
987 TAATNACTTATTGAACACGATTTATTTCATGTAGTACGTA 949

RESULT 15
US-09-621-976-2813
; Sequence 2813, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 2813
; LENGTH: 832
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 235..399
US-09-621-976-2813

Query Match 7.7%; Score 38.6; DB 4; Length 832;
Best Local Similarity 9.5%; Pred. No. 1.4;
Matches 30; Conservative 159; Mismatches 123; Indels 3; Gaps 1;

Qy 158 AATGAATAATTATCAATAATGGACTTCTAATGTTATAGATGCAATCTATCAACAAAGC 217
Db ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
47 AAWKYKWTWWTRVAMGTYKKKAMCRKTKKKKKKGMMWYWGRRSYAMWTRW 106
Qy 218 TCTTTTAGCTATAAAATTTTAAAGTCAACCGTTTGCACAAACAAATGGAATGCTTTAGAA 277

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Db	167	YWMCMCTKRWASWYCWWGKARKWSTWRKSRSYASARSARKCCYSCSWGAMSWKYN	226
Qy	335	AAAGAATTAGTTGCTTTGGGAGCTATTTCGACGTGATGAAAGTTGGCCCATTTATTTCTGAC	394
Db	227	RMRWRGWATGAGMKAWRASCMWRRKYAGSKTSYKSMWMCWTRSNWICYTKARWTGYC	286
Qy	395	CTTCTTATCAGAGTTACAAATATAATAGCTTGAATGTTCAATCAAAATTTGCAAACTTTA	454
Db	287	YRKGGMWGRGRWYASKYMKRWMMWCMWARMYRYSTGTTRASHMWRWRYTMMWKKYAW	346
Qy	455	ACAGGAGACATTAAA	469
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 26, 2005, 09:26:00 ; Search time 499.821 Seconds
(without alignments)
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Title: US-09-464-767A-3_COPY_10000_10500

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- 21: /cgn2_6/ptodata/2/pubpna/US10I_PUBCOMB.seq:*
- 22: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
- 23: /cgn2_6/ptodata/2/pubpna/US11A_PUBCOMB.seq:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	64.8	12.9	34185	15	US-10-199-520-3
4	64.8	12.9	34185	20	US-10-874-827-3
5	44.8	8.9	34794	15	US-10-002-720-44
6	44.8	8.9	34794	15	US-10-272-041-39
7	44.8	8.9	34794	16	US-10-164-085-39

8	44.8	8.9	34794	16	US-10-002-750-44	Sequence 44, Appl
9	44.8	8.9	34794	21	US-10-951-102-82	Sequence 82, Appl
10	44.8	8.9	34794	22	US-10-516-504-1	Sequence 1, Appl
11	44.8	8.9	34796	19	US-10-645-794-1	Sequence 1, Appl
12	44.8	8.9	34796	19	US-10-645-187-13	Sequence 13, Appl
13	44.4	8.9	1784	16	US-10-349-680-117	Sequence 117, Appl
14	44.2	8.8	34446	9	US-09-871-212-1	Sequence 1, Appl
15	43.6	8.7	34125	9	US-09-782-378A-25	Sequence 25, Appl
16	43.2	8.6	408	21	US-10-275-323A-13	Sequence 13, Appl
17	43.2	8.6	34775	19	US-10-645-794-12	Sequence 12, Appl
18	43.2	8.6	34775	19	US-10-645-187-1	Sequence 1, Appl
19	43.2	8.6	34793	19	US-10-350-304A-1	Sequence 1, Appl
20	43.2	8.6	34794	21	US-10-794-514A-733	Sequence 733, Appl
21	42.6	8.5	34214	9	US-09-782-378A-27	Sequence 27, Appl
22	42.4	8.5	7498	15	US-10-311-455-230	Sequence 230, Appl
23	42.4	8.5	12968	14	US-10-239-676-202	Sequence 202, Appl
24	42.4	8.5	12968	15	US-10-311-455-2058	Sequence 2058, Appl
25	42.4	8.5	12968	15	US-10-240-453-298	Sequence 298, Appl
26	42.4	8.5	12968	18	US-10-221-714A-506	Sequence 506, Appl
27	42.2	8.4	8323	15	US-10-311-455-31	Sequence 31, Appl
28	42	8.4	1688	13	US-10-027-632-254252	Sequence 254252, Appl
29	42	8.4	1688	17	US-10-027-632-254252	Sequence 254252, Appl
30	41.8	8.3	43804	9	US-09-970-711-1	Sequence 1, Appl
31	41.6	8.3	6076	15	US-10-311-455-338	Sequence 338, Appl
32	41.6	8.3	6076	15	US-10-240-485-34	Sequence 34, Appl
33	41.6	8.3	11694	18	US-10-221-714A-421	Sequence 421, Appl
34	41.4	8.3	629	13	US-10-027-632-215530	Sequence 215530, Appl
35	41.4	8.3	629	17	US-10-027-632-215530	Sequence 215530, Appl
36	41.4	8.3	5430	18	US-10-221-714A-14	Sequence 14, Appl
37	41.4	8.3	38719	22	US-10-737-082-43	Sequence 43, Appl
38	41.4	8.3	38719	22	US-10-765-790-43	Sequence 43, Appl
39	41.2	8.2	6013	17	US-10-221-613-226	Sequence 226, Appl
40	41.2	8.2	37515	19	US-10-433-793-28	Sequence 28, Appl
41	41	8.2	427	17	US-10-242-535A-28400	Sequence 28400, A
42	41	8.2	427	18	US-10-085-783A-28400	Sequence 28400, A
43	41	8.2	921	20	US-10-425-115-131322	Sequence 131322, Appl
44	41	8.2	6113	15	US-10-311-455-1796	Sequence 1796, Appl
45	40.8	8.1	13919	18	US-10-240-589C-113	Sequence 113, Appl

ALIGNMENTS

RESULT 1

US-09-464-767-1
; Sequence 1, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Both, Gerald
; APPLICANT: Boyle, David
; APPLICANT: Vratil, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vect
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 29544
; TYPE: DNA
; ORGANISM: Ovine adenovirus
US-09-464-767-1

Query Match	100.0%	Score 501;	DB 9;	Length 29544;
Best Local Similarity	100.0%	Pred. No. 2.3e-104;		
Matches 501;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Oy.	1	AGAAAGTATAGTGGCTATACGTGAATCCATATTCGAAAAATCCTTTGAAAAAGTCAAA	60	
Db	10001	AGAAAGTATAGTGGCTATACGTGAATCCATATTCGAAAAATCCTTTGAAAAAGTCAAA	10060	
Oy	61	AGTGAAGTAGAACCAAGTACGAAATGTATATGTTAGCTTAAAGTGCACCTTGACA	120	

Db 10061 AGTAGAAGTAGAACCAAGTGACGAAGATGATATATGTTTCAGCTTAAAGGTGCACTTGAACA 10120
QY 121 TCCTGATTCGACGAAGACGAAGACAGTGGACTTCAAAATGAATATTAATATCAATAATGGA 180
Db 10121 TCCTGATTCGACGAAGACGAAGACAGTGGACTTCAAAATGAATATTAATATCAATAATGGA 10180
QY 181 CTTCTAATGTTATAGATGCAATTTCTATCAAAACAAAGCTCTTTTAGCTATAAAAAATTTTAA 240
Db 10181 CTTCTAATGTTATAGATGCAATTTCTATCAAAACAAAGCTCTTTTAGCTATAAAAAATTTTAA 10240
QY 241 AAGTCAACCGTTTGCACCAACAAATGGAATGCTTTTAGAATCAGCAGTGTGCTCCCAAGAA 300
Db 10241 AAGTCAACCGTTTGCACCAACAAATGGAATGCTTTTAGAATCAGCAGTGTGCTCCCAAGAA 10300
QY 301 AGATGATACCTCTCGAATGATAGCAATCTTTTAAAGAAATAGTTGCTTTTGGGAGCTAT 360
Db 10301 AGATGATACCTCTCGAATGATAGCAATCTTTTAAAGAAATAGTTGCTTTTGGGAGCTAT 10360
QY 361 TCGCAGTGATGAAGTTGGCCCAATTAATTTCTGACCTTTTATCAGAGTTTCACAAAATATAA 420
Db 10361 TCGCAGTGATGAAGTTGGCCCAATTAATTTCTGACCTTTTATCAGAGTTTCACAAAATATAA 10420
QY 421 TAGCTTGAATGTTCAATCAAAATTTGCAAACTTTTAACAGGAGACATTAATCACTTCAATC 480
Db 10421 TAGCTTGAATGTTCAATCAAAATTTGCAAACTTTTAACAGGAGACATTAATCACTTCAATC 10480
QY 481 CGATATAATTAGAGTTCCGA 501
Db 10481 CGATATAATTAGAGTTCCGA 10501

RESULT 2
US-09-464-767-3
; Sequence 3, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Boyle, David
; APPLICANT: Vratil, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vector
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 32745
; TYPE: DNA
; ORGANISM: synthetic construct
US-09-464-767-3

Query Match 100.0%; Score 501; DB 9; Length 32745;
Best Local Similarity 100.0%; Pred. No. 2.4e-104; Indels 0; Gaps 0;
Matches 501; Conservative 0; Mismatches 0

QY 1 AGAAAGTATAGGTTGCTATCTGTGAATCCATATTCGAAATTCCTTTGAAAGAGTCAAA 60
Db 10000 AGAAAGTATAGGTTGCTATCTGTGAATCCATATTCGAAATTCCTTTGAAAGAGTCAAA 10059
QY 61 AGTAGAAGTAGAACCAAGTGACGAAGATGATATGTTTACGCTTAAAGGTGCACTTGAACA 120
Db 10060 AGTAGAAGTAGAACCAAGTGACGAAGATGATATGTTTACGCTTAAAGGTGCACTTGAACA 10119
QY 121 TCCTGATTCGACGAAGACGAAGACAGTGGACTTCAAAATGAATATTAATATCAATAATGGA 180
Db 10120 TCCTGATTCGACGAAGACGAAGACAGTGGACTTCAAAATGAATATTAATATCAATAATGGA 10179
QY 181 CTTCTAATGTTATAGATGCAATTTCTATCAAAACAAAGCTCTTTTAGCTATAAAAAATTTTAA 240
Db 10180 CTTCTAATGTTATAGATGCAATTTCTATCAAAACAAAGCTCTTTTAGCTATAAAAAATTTTAA 10239
QY 241 AAGTCAACCGTTTGCACCAACAAATGGAATGCTTTTAGAATCAGCAGTGTGCTCCCAAGAA 300
|||||

Db 10240 AAGTCAACCGTTTGCACCAACAAATGGAATGCTTTAGAAATCAGCAGTGTGCTCCCAAGAA 10299
QY 301 AGATGATACCTCTGAAATGATAGCAAAATCTTTTAAAGAAATTAGTTGCTTTTGGGAGCTAT 360
Db 10300 AGATGATACCTCTGAAATGATAGCAAAATCTTTTAAAGAAATTAGTTGCTTTTGGGAGCTAT 10359
QY 361 TCGCAGTGATGAAGTTGGCCCAATTAATTTCTGACCTTTTATCAGAGTTTCACAAAATATAA 420
Db 10360 TCGCAGTGATGAAGTTGGCCCAATTAATTTCTGACCTTTTATCAGAGTTTCACAAAATATAA 10419
QY 421 TAGCTTGAATGTTCAATCAAAATTTGCAAACTTTTAACAGGAGACATTAATCACTTCAATC 480
Db 10420 TAGCTTGAATGTTCAATCAAAATTTGCAAACTTTTAACAGGAGACATTAATCACTTCAATC 10479
QY 481 CGATATAATTAGAGTTCCGA 501
Db 10480 CGATATAATTAGAGTTCCGA 10500

RESULT 3
US-10-199-520-3
; Sequence 3, Application US/10199520
; Publication No. US20030108569A1
; GENERAL INFORMATION:
; APPLICANT: Chiang, Christina H.
; APPLICANT: Cochran, Mark D.
; TITLE OF INVENTION: No. US20030108569A1el Recombinant And Mutant Adenoviruses
; FILE REFERENCE: SY0993K US
; CURRENT APPLICATION NUMBER: US/10/199,520
; CURRENT FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: US/09/545,481
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: 60/128,766
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 34185
; TYPE: DNA
; ORGANISM: Bovine adenovirus type 1
US-10-199-520-3

Query Match 12.9%; Score 64.8; DB 15; Length 34185;
Best Local Similarity 55.3%; Pred. No. 0.00035;
Matches 126; Conservative 0; Mismatches 102; Indels 0; Gaps 0;

QY 242 AGTCAACCGTTTGCACCAACAAATGGAATGCTTTAGAAATCAGCAGTGTGCTCCCAAGAAAA 301
Db 11612 AGTCAGCCATTTGCAAAATAGGATCAGCGCTATCTTTGAGGCGGTGCTTCTTAGAAAA 11671
QY 302 GATGATACCTCTGAAATGATAGCAAAATCTTTTAAAGAAATTAGTTGCTTTGGGAGCTATT 361
Db 11672 AATCGACTCATGAAAAAGTGTGTCATTTGTCAACGCTTTGGTAGAAAAACGGCGCTATT 11731
QY 362 CGCAGTGATGAAGTTGGCCCAATTAATTTCTGACCTTTTATCAGAGTTTCACAAAATATAAT 421
Db 11732 CGTCTGATGAGGAGGAGGCGAGGTGTACCAACGCTCTGCTTGAGAGGGTATCTCGATACAA 11791
QY 422 AGCTTGAATGTTCAATCAAAATTTGCAAACTTTTAACAGGAGACATTAATAA 469
Db 11792 AGTATGAATGTTTACAGCTAGTATAGACAGGCTTAGTCAAGATGTGAGA 11839

RESULT 4
US-10-874-827-3
; Sequence 3, Application US/10874827
; Publication No. US20040234549A1
; GENERAL INFORMATION:
; APPLICANT: Chiang, Christina H.
; APPLICANT: Cochran, Mark D.
; TITLE OF INVENTION: Novel Recombinant And Mutant Adenoviruses
; FILE REFERENCE: SY0993K US
; CURRENT APPLICATION NUMBER: US/10/874,827

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; CURRENT FILING DATE: 2004-06-23
; PRIOR APPLICATION NUMBER: US/10/199,520
; PRIOR FILING DATE: 2002-07-19
; PRIOR APPLICATION NUMBER: US/09/545,481
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: 60/128,766
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 34185
; TYPE: DNA
; ORGANISM: Bovine adenovirus type 1
US-10-874-827-3

Query Match      12.9%; Score 64.8; DB 20; Length 34185;
Best Local Similarity 55.3%; Pred. No. 0.00035;
Matches 126; Conservative 0; Mismatches 102; Indels 0; Gaps 0;

Qy 242 AGTCAACCGTTTGGCAACAAATTGAATGCTTTAGAAATCAGCAGTTGTGCTTCCCAAGAAA 301
Db 11612 AGTCAGCCATTTCGCAATAGATCAGCGCTATTCTTGAGGCGGTGGTCTCTTAGAAA 11671

Qy 302 GATGATATCTCTGAATATAGCAAAATCTTTAAAGAAATAGTTCCTTGGGAGCTATT 361
Db 11672 AATCCGACTCATGAAAAAGTCTGTCAATTGTCAACGCCTTGGTAGAAACGGCGCTATT 11731

Qy 362 CGCAGTGATGAAGTTGGGCCCATTTATATCTGCACCTCTTATCAGAGTTTCACAAATATAAT 421
Db 11732 CGTCTGATGAGGAGGCGAGGTGTACAACGCTCTGCTTGAGAGGGGTATCTCGATACAC 11791

Qy 422 AGCTTGATGTTCAATCAAAATTTGCAAACTTTTAACAGAGACATTAA 469
Db 11792 AGTATGATGTTTCAGACTAGTATAGACAGGCTTAGTCAAGATGTGAGA 11839

RESULT 5
US-10-002-720-44
; Sequence 44, Application US/10002720
; Publication No. US20030103751A1
; GENERAL INFORMATION:
; APPLICANT: Vogels, Ronald
; APPLICANT: Havenga, Menzo J.E.
; APPLICANT: Mehtali, Majid
; TITLE OF INVENTION: Complementing cell lines
; FILE REFERENCE: P58204US10
; CURRENT APPLICATION NUMBER: US/10/002,720
; CURRENT FILING DATE: 2002-05-31
; PRIOR APPLICATION NUMBER: US 09/713,678
; PRIOR FILING DATE: 2000-11-15
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 44
; LENGTH: 34794
; TYPE: DNA
; ORGANISM: adenoviridae
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(34794)
; OTHER INFORMATION: /note="Nucleic acid sequence of Ad 35"
US-10-002-720-44

Query Match      8.9%; Score 44.8; DB 15; Length 34794;
Best Local Similarity 49.6%; Pred. No. 14;
Matches 115; Conservative 0; Mismatches 117; Indels 0; Gaps 0;

Qy 231 AAAATTTTAAAGTCAACCGTTTGCACAAATTTGAATGCTTTAGAAATCAGCAGTTGTGC 290
Db 11972 AAGCCTTTAGACAGCAACCCGCGCTATCGGCCATCATGGAAGCTGTAGTGC 12031

Qy 291 CTCGAGAAAGATGATATCTCTGAAATGATAGCAAAATCTTTTAAAGAAATTAGTTCCTT 350
Db 12032 CTTCCGATCTAATCCCACTCATGAGAGGTCTCTGGCCATCGTGAACGCGTTGTGGAGA 12091

Qy 351 TGGAGCTATTTCGAGTGATGAAGTTGGCCCATTTATCTGACCTTCTTATCAGAGTTTC 410
Db 12092 ACAAGCTATTTCGTCAGATGAGCGCGACTGGGTATACAAACGCTCTCTTAGAACGCGTGG 12151

Qy 411 ACAATATATAGTCTGAATGTTCAATCAAAATTTGCAAACTTTTAACAGGAGA 462
Db 12152 CTCGCTACACAGTAGCAATGTGCAAAACCAATTTGGACCGGTATGATAACAGA 12203

RESULT 6
US-10-272-041-39
; Sequence 39, Application US/10272041
; Publication No. US20030119192A1
; GENERAL INFORMATION:
; APPLICANT: Vogels, Ronald
; APPLICANT: Havenga, Menzo
; APPLICANT: Mehtali, Majid
; TITLE OF INVENTION: COMPLEMENTING CELL LINES
; FILE REFERENCE: 4615US
; CURRENT APPLICATION NUMBER: US/10/272,041
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: US/09/713,678
; PRIOR FILING DATE: 2000-11-15
; PRIOR APPLICATION NUMBER: US 09/573,740
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: US 60/134,764
; PRIOR FILING DATE: 1999-05-18
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 39
; LENGTH: 34794
; TYPE: DNA
; ORGANISM: Human Adenovirus Type 35
US-10-272-041-39

Query Match      8.9%; Score 44.8; DB 15; Length 34794;
Best Local Similarity 49.6%; Pred. No. 14;
Matches 115; Conservative 0; Mismatches 117; Indels 0; Gaps 0;

Qy 231 AAAATTTTAAAGTCAACCGTTTGCACAAATTTGAATGCTTTAGAAATCAGCAGTTGTGC 290
Db 11972 AAGCCTTTAGACAGCAACCCGCGCTATCGGCCATCATGGAAGCTGTAGTGC 12031

Qy 291 CTCGAGAAAGATGATATCTCTGAAATGATAGCAAAATCTTTTAAAGAAATTAGTTCCTT 350
Db 12032 CTTCCGATCTAATCCCACTCATGAGAGGTCTCTGGCCATCGTGAACGCGTTGTGGAGA 12091

Qy 351 TGGAGCTATTTCGAGTGATGAAGTTGGCCCATTTATCTGACCTTCTTATCAGAGTTTC 410
Db 12092 ACAAGCTATTTCGTCAGATGAGCGCGACTGGGTATACAAACGCTCTCTTAGAACGCGTGG 12151

Qy 411 ACAATATATAGTCTGAATGTTCAATCAAAATTTGCAAACTTTTAACAGGAGA 462
Db 12152 CTCGCTACACAGTAGCAATGTGCAAAACCAATTTGGACCGGTATGATAACAGA 12203

RESULT 7
US-10-164-085-39
; Sequence 39, Application US/10164085
; Publication No. US20030171336A1
; GENERAL INFORMATION:
; APPLICANT: Vogels, Ronald
; APPLICANT: Havenga, Menzo
; APPLICANT: Mehtali, Majid
; TITLE OF INVENTION: COMPLEMENTING CELL LINES
; FILE REFERENCE: 4615US
; CURRENT APPLICATION NUMBER: US/10/164,085
; CURRENT FILING DATE: 2002-06-04
; PRIOR APPLICATION NUMBER: 09/713,678
; PRIOR FILING DATE: 2000-11-15
; PRIOR APPLICATION NUMBER: US 09/573,740
; PRIOR FILING DATE: 2000-05-18
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Qy 351 TGGAGCTATTTCGAGTGATGAAGTTGGCCCATTTATATCTGACCTTCTTATCAGAGTTTC 410
Db 12092 ACAAGCTATTTCGTCAGATGAGCGCGACTGGGTATACAAACGCTCTCTTAGAACGCGTGG 12151

Qy 411 ACAATATATAGTCTGAATGTTCAATCAAAATTTGCAAACTTTTAACAGGAGA 462
Db 12152 CTCGCTACACAGTAGCAATGTGCAAAACCAATTTGGACCGGTATGATAACAGA 12203

RESULT 6
US-10-272-041-39
; Sequence 39, Application US/10272041
; Publication No. US20030119192A1
; GENERAL INFORMATION:
; APPLICANT: Vogels, Ronald
; APPLICANT: Havenga, Menzo
; APPLICANT: Mehtali, Majid
; TITLE OF INVENTION: COMPLEMENTING CELL LINES
; FILE REFERENCE: 4615US
; CURRENT APPLICATION NUMBER: US/10/272,041
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: US/09/713,678
; PRIOR FILING DATE: 2000-11-15
; PRIOR APPLICATION NUMBER: US 09/573,740
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: US 60/134,764
; PRIOR FILING DATE: 1999-05-18
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 39
; LENGTH: 34794
; TYPE: DNA
; ORGANISM: Human Adenovirus Type 35
US-10-272-041-39

Query Match      8.9%; Score 44.8; DB 15; Length 34794;
Best Local Similarity 49.6%; Pred. No. 14;
Matches 115; Conservative 0; Mismatches 117; Indels 0; Gaps 0;

Qy 231 AAAATTTTAAAGTCAACCGTTTGCACAAATTTGAATGCTTTAGAAATCAGCAGTTGTGC 290
Db 11972 AAGCCTTTAGACAGCAACCCGCGCTATCGGCCATCATGGAAGCTGTAGTGC 12031

Qy 291 CTCGAGAAAGATGATATCTCTGAAATGATAGCAAAATCTTTTAAAGAAATTAGTTCCTT 350
Db 12032 CTTCCGATCTAATCCCACTCATGAGAGGTCTCTGGCCATCGTGAACGCGTTGTGGAGA 12091

Qy 351 TGGAGCTATTTCGAGTGATGAAGTTGGCCCATTTATCTGACCTTCTTATCAGAGTTTC 410
Db 12092 ACAAGCTATTTCGTCAGATGAGCGCGACTGGGTATACAAACGCTCTCTTAGAACGCGTGG 12151

Qy 411 ACAATATATAGTCTGAATGTTCAATCAAAATTTGCAAACTTTTAACAGGAGA 462
Db 12152 CTCGCTACACAGTAGCAATGTGCAAAACCAATTTGGACCGGTATGATAACAGA 12203

RESULT 7
US-10-164-085-39
; Sequence 39, Application US/10164085
; Publication No. US20030171336A1
; GENERAL INFORMATION:
; APPLICANT: Vogels, Ronald
; APPLICANT: Havenga, Menzo
; APPLICANT: Mehtali, Majid
; TITLE OF INVENTION: COMPLEMENTING CELL LINES
; FILE REFERENCE: 4615US
; CURRENT APPLICATION NUMBER: US/10/164,085
; CURRENT FILING DATE: 2002-06-04
; PRIOR APPLICATION NUMBER: 09/713,678
; PRIOR FILING DATE: 2000-11-15
; PRIOR APPLICATION NUMBER: US 09/573,740
; PRIOR FILING DATE: 2000-05-18
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Query Match 8.9%; Score 44.8; DB 22; Length 34794;
Best Local Similarity 49.6%; Pred. No. 14;
Matches 115; Conservative 0; Mismatches 117; Indels 0; Gaps 0;

QY 231 AAAATTTTAAAGTCAACCGTTTGCACAAATTTGAATGCTTTAGAAATCAGCAGTTGTGC 290
DB 11972 AAGCCTTTAGACAGACCCCGGCAACCGTCTATCGGCCATCATGGAAGCTGTAGTGC 12031

QY 291 CTCCAAGAAAGATGATCTCTCTGAAATGATAGCAAAATCTTTTAAAGAAATTAGTTGCTT 350
DB 12032 CTTCCCGATCTAATCCCACTCATGAAAGGCTCTGGCCATCGTGAACGGTTGGTGAGA 12091

QY 351 TGGGAGCTATTCCGAGTGTGAAGTTGGCCCATATATTTCTGACCTCTTTATCAGAGTTC 410
DB 12092 ACAAGCTATTGCTCCAGATGAGCGCGACTGGTATACACGCTCTCTTTAGAACGCGTGG 12151

QY 411 ACAATATATAGTTGAATGTTCAATCAAAATTTGCAAAATTTTAACAGGAGA 462
DB 12152 CTCGTACACAGTAGCAATGTGCAACCAATTTGGACCGTATGATAACAGA 12203

RESULT 11
US-10-645-794-1
; Sequence 1, Application US/10645794
; Publication No. US20040106194A1
; GENERAL INFORMATION:
; APPLICANT: Bett, Andrew J.
; APPLICANT: Chastain, Michael
; APPLICANT: Sandig, Volker
; APPLICANT: Emini, Emilio A.
; APPLICANT: Shiver, John W.
; APPLICANT: Casimiro, Danilo R.
; APPLICANT: Kaelow, David C.
; APPLICANT: Moresy, Manal
; TITLE OF INVENTION: METHODS FOR PROPAGATING ADENOVIRUS AND
; TITLE OF INVENTION: VIRUS PRODUCED THEREBY
; FILE REFERENCE: 20699Y
; CURRENT APPLICATION NUMBER: US/10/645,794
; CURRENT FILING DATE: 2003-08-21
; PRIOR APPLICATION NUMBER: 60/458,825
; PRIOR FILING DATE: 2003-03-28
; PRIOR APPLICATION NUMBER: 60/455,312
; PRIOR FILING DATE: 2003-03-17
; PRIOR APPLICATION NUMBER: 60/455,234
; PRIOR FILING DATE: 2003-03-17
; PRIOR APPLICATION NUMBER: 60/405,182
; PRIOR FILING DATE: 2002-08-22
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 34796
; TYPE: DNA
; ORGANISM: adenovirus serotype 35
US-10-645-794-1

Query Match 8.9%; Score 44.8; DB 19; Length 34796;
Best Local Similarity 49.6%; Pred. No. 14;
Matches 115; Conservative 0; Mismatches 117; Indels 0; Gaps 0;

QY 231 AAAATTTTAAAGTCAACCGTTTGCACAAATTTGAATGCTTTAGAAATCAGCAGTTGTGC 290
DB 11976 AAGCCTTTAGACAGACCCCGGCAACCGTCTATCGGCCATCATGGAAGCTGTAGTGC 12035

QY 291 CTCCAAGAAAGATGATCTCTCTGAAATGATAGCAAAATCTTTTAAAGAAATTAGTTGCTT 350
DB 12036 CTTCCCGATCTAATCCCACTCATGAAAGGCTCTGGCCATCGTGAACGGTTGGTGAGA 12095

QY 351 TGGGAGCTATTCCGAGTGTGAAGTTGGCCCATATATTTCTGACCTCTTTATCAGAGTTC 410
DB 12096 ACAAGCTATTGCTCCAGATGAGCGCGACTGGTATACACGCTCTCTTTAGAACGCGTGG 12155

QY 411 ACAATATATAGTTGAATGTTCAATCAAAATTTGCAAAATTTTAACAGGAGA 462
DB 12155 CTCGTACACAGTAGCAATGTGCAACCAATTTGGACCGTATGATAACAGA 12207

Db 12156 CTCGTACACAGTAGCAATGTGCAACCAATTTGGACCGTATGATAACAGA 12207

RESULT 12
US-10-645-187-13
; Sequence 13, Application US/10645187
; Publication No. US20040191222A1
; GENERAL INFORMATION:
; APPLICANT: Emini, Emilio A.
; APPLICANT: Shiver, John W.
; APPLICANT: Bett, Andrew J.
; APPLICANT: Casimiro, Danilo R.
; APPLICANT: Kaelow, David C.
; APPLICANT: Chastain, Michael
; APPLICANT: Chastain, Michael
; TITLE OF INVENTION: ADENOVIRUS SEROTYPE 34 VECTORS, NUCLEIC
; TITLE OF INVENTION: ACIDS AND VIRUS PRODUCED THEREBY
; FILE REFERENCE: 21390
; CURRENT APPLICATION NUMBER: US/10/645,187
; CURRENT FILING DATE: 2003-08-21
; PRIOR APPLICATION NUMBER: 60/458,825
; PRIOR FILING DATE: 2003-03-28
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13
; LENGTH: 34796
; TYPE: DNA
; ORGANISM: adenovirus serotype 35
US-10-645-187-13

Query Match 8.9%; Score 44.8; DB 19; Length 34796;
Best Local Similarity 49.6%; Pred. No. 14;
Matches 115; Conservative 0; Mismatches 117; Indels 0; Gaps 0;

QY 231 AAAATTTTAAAGTCAACCGTTTGCACAAATTTGAATGCTTTAGAAATCAGCAGTTGTGC 290
DB 11976 AAGCCTTTAGACAGACCCCGGCAACCGTCTATCGGCCATCATGGAAGCTGTAGTGC 12035

QY 291 CTCCAAGAAAGATGATCTCTCTGAAATGATAGCAAAATCTTTTAAAGAAATTAGTTGCTT 350
DB 12036 CTTCCCGATCTAATCCCACTCATGAAAGGCTCTGGCCATCGTGAACGGTTGGTGAGA 12095

QY 351 TGGGAGCTATTCCGAGTGTGAAGTTGGCCCATATATTTCTGACCTCTTTATCAGAGTTC 410
DB 12096 ACAAGCTATTGCTCCAGATGAGCGCGACTGGTATACACGCTCTCTTTAGAACGCGTGG 12155

QY 411 ACAATATATAGTTGAATGTTCAATCAAAATTTGCAAAATTTTAACAGGAGA 462
DB 12156 CTCGTACACAGTAGCAATGTGCAACCAATTTGGACCGTATGATAACAGA 12207

RESULT 13
US-10-349-680-117/c
; Sequence 117, Application US/10349680
; Publication No. US20030176654A1
; GENERAL INFORMATION:
; APPLICANT: Cassell, Gail
; APPLICANT: Chen, Ellison
; APPLICANT: Glass, Jennifer
; APPLICANT: Glass, John
; APPLICANT: Heiner, Cheryl
; APPLICANT: Leikowitz, Elliot
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND METHOD FOR DETECTING UREAPLASMA
; TITLE OF INVENTION: UREALYTICUM
; FILE REFERENCE: UAB-13403/22
; CURRENT APPLICATION NUMBER: US/10/349,680
; CURRENT FILING DATE: 2003-01-23
; PRIOR APPLICATION NUMBER: US 09/601,198
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: PCT/US99/01972
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: US 60/073,189
; PRIOR FILING DATE: 1998-01-30
; NUMBER OF SEQ ID NOS: 181

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; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 117
; LENGTH: 1784
; TYPE: DNA
; ORGANISM: Ureaplasma urealyticum
US-10-349-680-117

Query Match      8.9%; Score 44.4; DB 16; Length 1784;
Best Local Similarity 49.6%; Pred. No. 5.1; Mismatches 0; Gaps 0;
Matches 114; Conservative 0; Indels 116; Indels 0; Gaps 0;

QY 13 TTGCTATAGTGAATGCCATATTTGCAAAATCCTTTGAAAAAGTCACAAAGTAGAAGTAGA 72
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 514 TTGATCAACGACTAACAAATTTAAAGCAGCAATAGTACGAAAAATTAATCCACAGAAATAAT 455
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 73 ACCAAGTCAGCAATGCTATATGCTTACGCTTAAAGTGAACATCTGATCCGATCCGA 132
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 454 AATTAAAAAGCATATAAATAAAAAAATTAATACCGTTATTTCTTTATATTACTTA 395
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 133 CGAAGACGAAAGCAGTGGACTTCAAAATGAAATGAATAATTATCATAAATGGACTTCTAATGTTA 192
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 394 CGTAAAAATATATTTAAATATAAGTTATTAACTTCAAAAAACAATATTTAATATTA 335
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 193 TAGATCAATTTATCAAAACAAAGCTCTTTTAGCTATATAAAAAATTTTAAAA 242
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 334 AAAAACCTATTTTAGTAAAAATAATGTTTTTACGTGAAATACTTTTITGAA 285
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 14
US-09-871-212-1
; Sequence 1, Application US/09871212
; Patent No. US20020034519A1
; GENERAL INFORMATION:
; APPLICANT: Tikoo, Suresh
; APPLICANT: Babluok, Lorne
; APPLICANT: Zhang, Linong
; APPLICANT: Wu, Qiaohua
; TITLE OF INVENTION: MODIFIED BOVINE ADENOVIRUS HAVING
; TITLE OF INVENTION: ALTERED TROPISM
; FILE REFERENCE: 293102003000
; CURRENT APPLICATION NUMBER: US/09/871,212
; PRIOR FILING DATE: 2001-05-31
; PRIOR APPLICATION NUMBER: 60/208,678
; PRIOR FILING DATE: 2000-05-31
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 3446
; TYPE: DNA
; ORGANISM: Bovine Adenovirus 3
US-09-871-212-1

Query Match      8.8%; Score 44.2; DB 9; Length 3446;
Best Local Similarity 49.0%; Pred. No. 19;
Matches 118; Conservative 0; Mismatches 123; Indels 0; Gaps 0;

QY 228 ATAAAAATTTTAAAGTCAACCGTTGCAACACAAAATGAAATGAAATCAGCAGTTG 287
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 11285 ATGGAGACTTTGGCTCGCAGCCGCCAGCGAATCGGTTTGGAGCCATCTCGAAGCCGTGG 11344
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 288 TGCTCCAAAGAAAAGATGATCTCTGAAATGATAGCAAAATCTTTTAAAGAAATTAGTTG 347
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 11345 TGCCCGCGCTCCGATCCCAACCATGAAAAGTGTAGCTATTGTGAATGCGCTCTTGG 11404
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 348 CTTTGGGAGCTATTGCGATGATGAAGTTGGCCCATATATTCTGACCTTCTTATCAGAG 407
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 11405 AGACTCAGGCCCATCCGTCGCGATGAGCGCGGACAGATGTACACCGCGCTGTTGCAGCGGG 11464
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 408 TTCACAAATATATAGCTTTGAATGTTCAATCAAAATTTGCAAACTTTTAAACAGGAGACATTA 467
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 11465 TGCCACAGATACACAGTGTGAATGTGACGGGCAATTTGGACAGGCTGATTACAGGACGTGA 11524
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 468 A 468
```

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Db 11525 A 11525

RESULT 15
US-09-782-378A-25
; Sequence 25, Application US/09782378A
; Patent No. US20020102731A1
; GENERAL INFORMATION:
; APPLICANT: Hearing, Patrick
; APPLICANT: Bahou, Wadie
; APPLICANT: Sandalon, Ziv
; APPLICANT: Gnatenko, Dmitri
; TITLE OF INVENTION: Adenoviral Vectors
; FILE REFERENCE: STONYB-04970
; CURRENT APPLICATION NUMBER: US/09/782,378A
; CURRENT FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: 60/237,747
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 25
; LENGTH: 34125
; TYPE: DNA
; ORGANISM: Human adenovirus type 12
US-09-782-378A-25

Query Match      8.7%; Score 43.6; DB 9; Length 34125;
Best Local Similarity 50.5%; Pred. No. 26;
Matches 106; Conservative 0; Mismatches 104; Indels 0; Gaps 0;

QY 235 TTTTAAAAAGTCAACCGTTTGCAAAACAAATTCGAATGCTTTAGAAATCAGCAGTTGTGCCTCC 294
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 11725 TTTTCGCCAGCAGCCCCAAGCTAACCGCTTTTCGCCCAFTTTGGAAAGCAGTAGTCCGTC 11784
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 295 AAGAAAAGATGATACCTCCTGAAATGATAGCAAAATCTTTTAAAGAAATTAGTTGCTTTGGG 354
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 11785 TCGTACTAACCTACTACTCAGGAGAAAGTGTAAACCAATGTTAAATGCTTTTGTGGATAGCAA 11844
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 355 AGCTATTGCGAGTGATGAAGTTGGCCCATATATTCTGACCTTCTTATCAGAGTTTCACAA 414
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 11845 AGCCATCCGCAAGATGAGGCTGTTTAATATACAAACGCTTTGCTTTGAGCGCGTGGCAG 11904
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 415 ATATAATAGCTTGAATGTTCAATCAAAATTT 444
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 11905 CTATAACAGTACCAATGTGCAGGCTAATTT 11934
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

Search completed: September 26, 2005, 17:25:17
Job time : 502.821 secs
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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 27, 2005, 06:43:34 ; Search time 115.177 Seconds
(without alignments)
7117.524 Million cell updates/sec

Title: US-09-464-767A-3_COPY_20000_20500
Perfect score: 501
Sequence: 1 acacacggagacagactcaa.....attgcgatgacccgaaaaa 501

Scoring table: OLIGO NUC
Gapop 60.0 , Gapext 60.0

Searched: 1202784 seqs, 818138359 residues

Word size : 0
Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Issued_Patents_NA.*
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2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*
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4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*
5: /cgn2_6/ptodata/1/ina/PTCUS_COMB.seq:*
6: /cgn2_6/ptodata/1/ina/backfiles.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	19	3.8	601	US-09-949-016-140905	Sequence 140905
2	19	3.8	2682	US-09-328-352-2500	Sequence 2500, App
3	19	3.8	148783	US-09-949-016-15729	Sequence 15729, A
4	19	3.8	150394	US-09-949-016-13042	Sequence 13042, A
5	18	3.6	601	US-09-949-016-52270	Sequence 52270, A
6	18	3.6	601	US-09-949-016-87644	Sequence 87644, A
7	18	3.6	601	US-09-949-016-128684	Sequence 128684, A
8	18	3.6	840	US-09-134-000C-460	Sequence 460, App
9	18	3.6	933	US-09-134-000C-2109	Sequence 2109, App
10	18	3.6	2425	US-08-804-439A-5	Sequence 5, Appli
11	18	3.6	2425	US-08-720-229-5	Sequence 5, Appli
12	18	3.6	5228	US-09-949-016-12328	Sequence 12328, A
13	18	3.6	34629	US-09-949-016-13295	Sequence 13295, A
14	18	3.6	50368	US-09-949-016-13256	Sequence 13256, A
15	18	3.6	66989	US-09-949-016-11942	Sequence 11942, A
16	18	3.6	66989	US-09-949-016-16063	Sequence 16063, A
17	18	3.6	108440	US-09-949-016-12065	Sequence 12065, A
18	18	3.6	119533	US-09-949-016-14090	Sequence 14090, A
19	18	3.6	108441	US-09-949-016-12378	Sequence 12378, A
20	18	3.6	14922	US-09-949-016-15890	Sequence 15890, A
21	18	3.6	235064	US-09-949-016-15390	Sequence 15390, A
22	18	3.6	237241	US-09-949-016-16101	Sequence 16101, A
23	18	3.6	237510	US-09-949-016-14273	Sequence 14273, A
24	18	3.6	374159	US-09-949-016-15868	Sequence 15868, A
25	18	3.6	524032	US-09-949-016-16928	Sequence 16928, A
26	18	3.6	524032	US-09-949-016-16929	Sequence 16929, A
27	18	3.6	524032	US-09-949-016-16930	Sequence 16930, A

28	18	3.6	524032	4	US-09-949-016-16931	Sequence 16931, A
29	18	3.6	529885	4	US-09-949-016-14340	Sequence 14340, A
30	18	3.6	529885	4	US-09-949-016-14341	Sequence 14341, A
31	18	3.6	529885	4	US-09-949-016-14342	Sequence 14342, A
32	18	3.6	529885	4	US-09-949-016-14343	Sequence 14343, A
33	18	3.6	529885	4	US-09-949-016-14344	Sequence 14344, A
34	18	3.6	529885	4	US-09-949-016-14345	Sequence 14345, A
35	18	3.6	529885	4	US-09-949-016-14346	Sequence 14346, A
36	18	3.6	529885	4	US-09-949-016-14347	Sequence 14347, A
37	18	3.6	670689	4	US-09-949-016-12505	Sequence 12505, A
38	18	3.6	670690	4	US-09-949-016-14207	Sequence 14207, A
39	17	3.4	213	4	US-09-248-796A-12609	Sequence 12609, A
40	17	3.4	224	3	US-09-397-787-87	Sequence 87, Appl
41	17	3.4	353	4	US-09-513-999C-31262	Sequence 31262, A
42	17	3.4	394	4	US-09-513-999C-10453	Sequence 10453, A
43	17	3.4	426	4	US-09-328-352-1663	Sequence 1663, App
44	17	3.4	443	3	US-09-397-787-176	Sequence 176, App
45	17	3.4	519	4	US-09-621-976-7991	Sequence 7991, App

ALIGNMENTS

RESULT 1

US-09-949-016-140905
; Sequence 140905, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949.016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 140905
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-140905

Query Match 3.8%, Score 19; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 398 TAACTTTCTAGAAAGTCA 416
Db 85 TAACTTTCTAGAAAGTCA 103

RESULT 2

US-09-328-352-2500
; Sequence 2500, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GFC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328.352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 2500
; LENGTH: 2682
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii

US-09-328-352-2500

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Query Match          3.8%; Score 19; DB 4; Length 2682;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

Qy 213 AGTTGATGAAGTTTCTGAA 231
|||||
Db 1476 AGTTGATGAAGTTTCTGAA 1494

RESULT 3

```

US-09-949-016-15729
; Sequence 15729, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15729
; LENGTH: 148783
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(148783)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-15729

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Query Match 3.8%; Score 19; DB 4; Length 148783;
Best Local Similarity 100.0%; Pred. No. 9.5;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 398 TAACTTTCCTAGAAAGTCA 416
|||||
Db 43875 TAACTTTCCTAGAAAGTCA 43893

RESULT 4

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1  RES001
2  US-09-949-016-13042
3  ; Sequence 13042, Application US/09949016
4  ; Patent No. 6812339
5  ; GENERAL INFORMATION:
6  ; APPLICANT: VENTER, J. Craig et al.
7  ; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
8  ; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
9  ; FILE REFERENCE: CL001307
10 ; CURRENT APPLICATION NUMBER: US/09/949,016
11 ; CURRENT FILING DATE: 2000-04-14
12 ; PRIOR APPLICATION NUMBER: 60/241,755
13 ; PRIOR FILING DATE: 2000-10-20
14 ; PRIOR APPLICATION NUMBER: 60/237,768
15 ; PRIOR FILING DATE: 2000-10-03
16 ; PRIOR APPLICATION NUMBER: 60/231,498
17 ; PRIOR FILING DATE: 2000-09-08
18 ; NUMBER OF SEQ ID NOS: 207012
19 ; SOFTWARE: FastSEQ for Windows Version 4.0
20 ; SEQ ID NO 13042
21 ; LENGTH: 150394
22 ; TYPE: DNA
23 ; ORGANISM: Human
24 ; FEATURE:

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; NAME/KEY: misc_feature
; LOCATION: (1)...(150394)
; OTHER INFORMATION: n = A, T, C or G
US-09-949-016-13042

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Query Match          3.8%; Score 19; DB 4; Length 150394;
Best Local Similarity 100.0%; Pred. No. 9.5;
Matches 19: Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 186 TTTTGAGAAAAATTGTCAAA 204
|||
pb 103416 TTTTGAGAAAAATTGTCAAA 103434

RESULT 5

```

US-09-949-016-52270
; Sequence 52270, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 52270
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-52270

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Query Match 3.6%; Score 18; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 35;
Matches 18: Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 86 ATTTATTTTGGTATTTA 103
|||
D6 576 ATTTATTTTGGTATTTA 593

RESULT. T. 6

```

RES001 8
US-09-949-016-87644/c
; Sequence 87644, Application US/09949016
; Patent NO. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 87644
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-87644

```

```
Query Match          3.6%; Score 18; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 35;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 279 TTCTAATTACTGATTT 296
Db 185 TTCTAATTACTGATTT 168

RESULT 7
US-09-949-016-128684/c
; Sequence 128684, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 128684
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-128684

Query Match          3.6%; Score 18; DB 4; Length 601;
Best Local Similarity 100.0%; Pred. No. 35;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 153 AATAAATAATAATAAGA 170
Db 549 AATAAATAATAATAAGA 532

RESULT 8
US-09-134-000C-460
; Sequence 460, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134,000C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 460
; LENGTH: 840
; TYPE: DNA
; ORGANISM: Enterococcus faecalis
US-09-134-000C-460

Query Match          3.6%; Score 18; DB 4; Length 840;
Best Local Similarity 100.0%; Pred. No. 35;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 217 GATGAAGTTTCTGAATT 234
Db 757 GATGAAGTTTCTGAATT 774
```

```
RESULT 9
US-09-134-000C-2109
; Sequence 2109, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134,000C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2109
; LENGTH: 933
; TYPE: DNA
; ORGANISM: Enterococcus faecalis
US-09-134-000C-2109

Query Match          3.6%; Score 18; DB 4; Length 933;
Best Local Similarity 100.0%; Pred. No. 35;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 217 GATGAAGTTTCTGAATT 234
Db 676 GATGAAGTTTCTGAATT 693

RESULT 10
US-08-804-439A-5
; Sequence 5, Application US/08804439A
; Patent No. 6015565
; GENERAL INFORMATION:
; APPLICANT: Rose, Timothy M.
; APPLICANT: Bosch, Matnix L.
; APPLICANT: Strand, Kurt
; TITLE OF INVENTION: GLYCOPROTEIN B OF THE RFHV/KSHV
; SUBFAMILY OF HERPES VIRUSES
; NUMBER OF SEQUENCES: 113
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 4225 Executive Square, Ste 1400
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/804,439A
; FILING DATE: February 21, 1997
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Haile, Lisa A.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: 09176/004001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 678-5070
; TELEFAX: (619) 678-5099
; TELEX:
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2425 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
US-08-804-439A-5
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Query Match      3.6%; Score 18; DB 3; Length 2425;
Best Local Similarity 100.0%; Pred.No. 34;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 47 CAACCGAAGACAAATAG 64
Db 2405 CAACCGAAGACAAATAG 2422

RESULT 11
US-08-720-229-5
; Sequence 5, Application US/08720229
; Patent No. 6022542
; GENERAL INFORMATION:
; APPLICANT: Rose, Timothy M.
; APPLICANT: Bosch, Marix L.
; APPLICANT: Strand, Kurt
; TITLE OF INVENTION: GLYCOPROTEIN B OF THE RFHV/KSHV
; TITLE OF INVENTION: SUBFAMILY OF HERPES VIRUSES
; NUMBER OF SEQUENCES: 100
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morrison & Foerster
; STREET: 755 Page Mill Road
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/720,229
; FILING DATE: 26-SEP-1996
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Schiff, J. Michael
; REGISTRATION NUMBER: 40,253
; REFERENCE/DOCKET NUMBER: 29938--20002.00
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 813-5600
; TELEFAX: (415) 494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2425 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
US-08-720-229-5

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Best Local Similarity 100.0%; Pred.No. 34;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 47 CAACCGAAGACAAATAG 64
Db 2405 CAACCGAAGACAAATAG 2422

RESULT 12
US-09-949-016-12328
; Sequence 12328, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-04-14
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; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12328
; LENGTH: 5228
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-12328

Query Match      3.6%; Score 18; DB 4; Length 5228;
Best Local Similarity 100.0%; Pred.No. 33;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 54 AGACAAAATAGACTATAT 71
Db 2823 AGACAAAATAGACTATAT 2840

RESULT 13
US-09-949-016-13295
; Sequence 13295, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13295
; LENGTH: 34629
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13295

Query Match      3.6%; Score 18; DB 4; Length 34629;
Best Local Similarity 100.0%; Pred.No. 32;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 145 GATAAAACAATAATATA 162
Db 16251 GATAAAACAATAATATA 16268

RESULT 14
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; Sequence 13256, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
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; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13256
; LENGTH: 50368
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13256

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Best Local Similarity 100.0%; Pred. No. 31;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      86 ATTATTTTGGTATTTA 103
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Db      26077 ATTATTTTGGTATTTA 26094

RESULT 15
US-09-949-016-11942
; Sequence 11942, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11942
; LENGTH: 66988
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(66988)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-11942

Query Match      3.6%; Score 18; DB 4; Length 66988;
Best Local Similarity 100.0%; Pred. No. 31;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      151 ACAATAAATAAATAAATAA 168
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Db      58817 ACAATAAATAAATAAATAA 58834

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Job time : 122.177 secs
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

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19: /cgn2_6/ptodata/1/pubpna/US10G_PUBCOMB.seq.*
20: /cgn2_6/ptodata/1/pubpna/US10H_PUBCOMB.seq.*
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26: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	501	100.0	32745	9	US-09-464-767-3
3	21	4.2	574	9	US-09-864-761-12585
C 4	21	4.2	3673778	16	US-10-312-841-1
C 5	20	4.0	516	13	US-10-027-632-276564
C 6	20	4.0	516	17	US-10-027-632-276564
7	19	3.8	245	20	US-10-425-115-75464

C 8	19	3.8	255	18	US-10-424-599-82869	Sequence 82869, A
C 9	19	3.8	520	16	US-10-029-386-12231	Sequence 12231, A
C 10	19	3.8	585	13	US-10-027-632-202632	Sequence 202632, A
C 11	19	3.8	585	17	US-10-027-632-202632	Sequence 202632, A
C 12	19	3.8	599	17	US-10-767-701-26479	Sequence 26479, A
C 13	19	3.8	1009	18	US-10-425-114-8709	Sequence 8709, A
C 14	19	3.8	1145	13	US-10-027-632-202631	Sequence 202631, A
C 15	19	3.8	1145	17	US-10-027-632-202631	Sequence 202631, A
C 16	19	3.8	1222	18	US-10-424-599-18160	Sequence 18160, A
C 17	19	3.8	2649	17	US-10-282-122A-8657	Sequence 8657, A
C 18	19	3.8	8093	15	US-10-172-086-25	Sequence 25, Appl
C 19	19	3.8	8093	15	US-10-221-714A-157	Sequence 157, Appl
C 20	19	3.8	8093	18	US-10-240-589C-45	Sequence 45, Appl
C 21	19	3.8	8093	19	US-10-311-507-57	Sequence 57, Appl
C 22	19	3.8	8093	20	US-10-480-846-25	Sequence 25, Appl
C 23	19	3.8	8093	20	US-10-473-126-171	Sequence 171, Appl
C 24	19	3.8	8093	20	US-10-473-126-317	Sequence 317, Appl
C 25	19	3.8	62822	20	US-10-719-993-6877	Sequence 6877, A
C 26	19	3.8	83709	20	US-10-723-860-2784	Sequence 2784, A
C 27	19	3.8	1980090	20	US-10-719-993-6815	Sequence 6815, A
C 28	19	3.8	1980090	21	US-10-741-600-17676	Sequence 17676, A
C 29	18	3.6	248	9	US-09-294-093B-905	Sequence 905, A
C 30	18	3.6	304	9	US-09-294-093B-2635	Sequence 2635, A
C 31	18	3.6	317	9	US-09-974-300-5601	Sequence 5601, A
C 32	18	3.6	488	9	US-09-864-761-5378	Sequence 5378, A
C 33	18	3.6	599	22	US-10-972-079-88950	Sequence 88950, A
C 34	18	3.6	600	22	US-10-972-079-88951	Sequence 88951, A
C 35	18	3.6	600	22	US-10-972-079-88952	Sequence 88952, A
C 36	18	3.6	614	22	US-10-756-149-3423	Sequence 3423, A
C 37	18	3.6	718	14	US-10-074-475-130	Sequence 130, A
C 38	18	3.6	777	16	US-10-032-585-6744	Sequence 6744, A
C 39	18	3.6	958	17	US-10-172-118-2507	Sequence 2507, A
C 40	18	3.6	958	18	US-10-342-887-2507	Sequence 2507, A
C 41	18	3.6	986	17	US-10-369-493-30169	Sequence 30169, A
C 42	18	3.6	986	17	US-10-369-493-30170	Sequence 30170, A
C 43	18	3.6	1308	17	US-10-282-122A-18391	Sequence 18391, A
C 44	18	3.6	1372	18	US-10-425-114-36513	Sequence 36513, A
C 45	18	3.6	1782	22	US-10-510-812-41	Sequence 41, Appl

ALIGNMENTS

RESULT 1
US-09-464-767-1
; Sequence 1, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Boyle, David
; APPLICANT: Vratil, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vec
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 29544
; TYPE: DNA
; ORGANISM: Ovine adenovirus
US-09-464-767-1

Query Match	100.0%	Score	501;	DB	9;	Length	29544;
Best Local Similarity	100.0%	Pred. No.	7.5e-244;				
Matches	501;	Conservative	0;	Mismatches	0;	Indels	0;
Gaps	0;						
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Qy	61	ATGAGCTATATCATAGATACAGTGTTATTTTGTATTTTACGTGGCAGACGCAATG	120				

Db 20061 ATAGACTATATCATAGATACAGTGTGTAATTTTGGTATTTACGTGGCAGACGCAATG 20120
Qy 121 GATATTTGGAAATCAAAATAGATGATAAAACAATAATAATTAAGAGGAATTAAC 180
Db 20121 GATATTTGGAAATCAAAATAGATGATAAAACAATAATAATTAAGAGGAATTAAC 20180
Qy 181 CAAAATTTTGAGAAAATTTGTCAAAGCTGAATCAGTTGATGAAGTTCTGAAAATTTTAAAG 240
Db 20181 CAAAATTTTGAGAAAATTTGTCAAAGCTGAATCAGTTGATGAAGTTCTGAAAATTTTAAAG 20240
Qy 241 TCTATATTTCCCTGGAACATCATGTCGGAGCTTTTGGTTCTTAATTTACCTGATTTTATA 300
Db 20241 TCTATATTTCCCTGGAACATCATGTCGGAGCTTTTGGTTCTTAATTTACCTGATTTTATA 20300
Qy 301 AATCAGAGTCAGATATCAAAATTTTGAAGCTTTTATCTGCAATTAATCCGGCATACCGCAG 360
Db 20301 AATCAGAGTCAGATATCAAAATTTTGAAGCTTTTATCTGCAATTAATCCGGCATACCGCAG 20360
Qy 361 TCAATTTTGGCCCTTATTTACCTTCAGATCTAATTTCTTTAACTTTCTAGAAAGTCATCCA 420
Db 20361 TCAATTTTGGCCCTTATTTACCTTCAGATCTAATTTCTTTAACTTTCTAGAAAGTCATCCA 20420
Qy 421 ATACTCTGGAGTCATGTAATGTTACTAAATCTTGCTTCATTTCTAGTAAACCAAGGCAAT 480
Db 20421 ATACTCTGGAGTCATGTAATGTTACTAAATCTTGCTTCATTTCTAGTAAACCAAGGCAAT 20480
Qy 481 TATTTGCATGAACCCGAAAAA 501
Db 20481 TATTTGCATGAACCCGAAAAA 20501

RESULT 2
US-09-464-767-3
; Sequence 3, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Boyle, David
; APPLICANT: Both, Gerald
; APPLICANT: Vrati, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral vec
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 32745
; TYPE: DNA
; ORGANISM: synthetic construct
US-09-464-767-3

Query Match 100.0%; Score 501; DB 9; Length 32745;
Best Local Similarity 100.0%; Pred. No. 7.6e-244;
Matches 501; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 61 ATAGACTATATCATAGATACAGTGTATTTATTTTGGTATTTTACGTGGCAGACGCAATG 120
Db 20060 ATAGACTATATCATAGATACAGTGTATTTATTTTGGTATTTTACGTGGCAGACGCAATG 20119
Qy 121 GATATTTGGAAATCAAAATAGATGATAAAACAATAATAATTAAGAGGAATTAAC 180
Db 20120 GATATTTGGAAATCAAAATAGATGATAAAACAATAATAATTAAGAGGAATTAAC 20179
Qy 181 CAAAATTTTGAGAAAATTTGTCAAAGCTGAATCAGTTGATGAAGTTCTGAAAATTTTAAAG 240
Db 20180 CAAAATTTTGAGAAAATTTGTCAAAGCTGAATCAGTTGATGAAGTTCTGAAAATTTTAAAG 20239
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Db 20240 TCTATATTTTCCCTGGAACATCATGTCGGAGCTTTTGGTTCTTAATTTACCTGATTTTATA 20299
Qy 301 AATCAGAGTCAGATATCAAAATTTTGAAGCTTTTATCTGCAATTAATCCGGCATACCGCAG 360
Db 20300 AATCAGAGTCAGATATCAAAATTTTGAAGCTTTTATCTGCAATTAATCCGGCATACCGCAG 20359
Qy 361 TCAATTTTGGCCCTTATTTACCTTCAGATCTAATTTCTTTAACTTTCTAGAAAGTCATCCA 420
Db 20360 TCAATTTTGGCCCTTATTTACCTTCAGATCTAATTTCTTTAACTTTCTAGAAAGTCATCCA 20419
Qy 421 ATACTCTGGAGTCATGTAATGTTACTAAATCTTGCTTCATTTCTAGTAAACCAAGGCAAT 480
Db 20420 ATACTCTGGAGTCATGTAATGTTACTAAATCTTGCTTCATTTCTAGTAAACCAAGGCAAT 20479
Qy 481 TATTTGCATGAACCCGAAAAA 501
Db 20480 TATTTGCATGAACCCGAAAAA 20500

RESULT 3
US-09-864-761-12585
; Sequence 12585, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 12585
; LENGTH: 574

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; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC013597.3
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.64
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.73
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.64
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.61
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.63
; US-09-864-761-12585

Query Match          4.2%; Score 21; DB 9; Length 574;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 323 TTAGAAACTTATCTGCATTA 343
Db 505 TTAGAACTTATCTGCATTA 525

RESULT 4
US-10-312-841-1/c
; Sequence 1, Application US/10312841
; Publication No. US20030185277A1
; GENERAL INFORMATION:
; APPLICANT: Epigenomics AG
; TITLE OF INVENTION: Diagnose von bedeutenden genetischen Parametern innerhalb des MHC
; FILE REFERENCE: E01/1208/WO
; CURRENT APPLICATION NUMBER: US/10/312,841
; CURRENT FILING DATE: 2002-12-30
; NUMBER OF SEQ ID NOS: 2
; SEQ ID NO 1
; LENGTH: 3673778
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; NAME/KEY: unsure
; LOCATION: (3294164)
US-10-312-841-1

Query Match          4.2%; Score 21; DB 16; Length 3673778;
Best Local Similarity 100.0%; Pred. No. 14;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 148 AAAACAATAAATAATATAA 168
Db 1184139 AAAACAATAAATAATATAA 1184119

RESULT 5
US-10-027-632-276564/c
; Sequence 276564, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 276564
; LENGTH: 516
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-276564

Query Match          4.0%; Score 20; DB 17; Length 516;
Best Local Similarity 100.0%; Pred. No. 21;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 145 GATAAAACAATAAATAATAAT 164
Db 142 GATAAAACAATAAATAATAAT 123

RESULT 6
US-10-027-632-276564/c
; Sequence 276564, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 276564
; LENGTH: 516
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-276564

Query Match          4.0%; Score 20; DB 17; Length 516;
Best Local Similarity 100.0%; Pred. No. 21;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 145 GATAAAACAATAAATAATAAT 164
Db 142 GATAAAACAATAAATAATAAT 123

RESULT 7
US-10-425-115-75464
; Sequence 75464, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
```

```
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC013597.3
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.64
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.73
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.64
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.61
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.63
; US-09-864-761-12585

Query Match          4.2%; Score 21; DB 9; Length 574;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 323 TTAGAAACTTATCTGCATTA 343
Db 505 TTAGAACTTATCTGCATTA 525

RESULT 4
US-10-312-841-1/c
; Sequence 1, Application US/10312841
; Publication No. US20030185277A1
; GENERAL INFORMATION:
; APPLICANT: Epigenomics AG
; TITLE OF INVENTION: Diagnose von bedeutenden genetischen Parametern innerhalb des MHC
; FILE REFERENCE: E01/1208/WO
; CURRENT APPLICATION NUMBER: US/10/312,841
; CURRENT FILING DATE: 2002-12-30
; NUMBER OF SEQ ID NOS: 2
; SEQ ID NO 1
; LENGTH: 3673778
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; NAME/KEY: unsure
; LOCATION: (3294164)
US-10-312-841-1

Query Match          4.2%; Score 21; DB 16; Length 3673778;
Best Local Similarity 100.0%; Pred. No. 14;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 148 AAAACAATAAATAATATAA 168
Db 1184139 AAAACAATAAATAATATAA 1184119

RESULT 5
US-10-027-632-276564/c
; Sequence 276564, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
```

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; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 75464
; LENGTH: 245
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_168854C.1
; US-10-425-115-75464

Query Match          3.8%; Score 19; DB 20; Length 245;
Best Local Similarity 100.0%; Pred. No. 63;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 150 AACAAATAAATAATATAA 168
    |||||
Db 186 AACAAATAAATAATATAA 204

RESULT 8
US-10-424-599-82869/c
; Sequence 82869, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 82869
; LENGTH: 265
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_45849C.1
; US-10-424-599-82869

Query Match          3.8%; Score 19; DB 18; Length 265;
Best Local Similarity 100.0%; Pred. No. 64;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 296 TTATAAATCAGATCAGATCAGAT 314
    |||||
Db 104 TTATAAATCAGATCAGAT 86

RESULT 9
US-10-029-386-12231/c
; Sequence 12231, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G
; TITLE OF INVENTION: EXPRESSION ANALYSIS TWO
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 12231
; LENGTH: 520
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
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```
; OTHER INFORMATION: MAP TO AC009567.8
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.71
; OTHER INFORMATION: EST HUMAN HIT: BG259903.1, EVALUE 3.00e-34
; OTHER INFORMATION: NT HIT: AF288742.1, EVALUE 3.00e-30
; OTHER INFORMATION: SWISSPROT HIT: P03203, EVALUE 8.20e+00
; US-10-029-386-12231

Query Match          3.8%; Score 19; DB 16; Length 520;
Best Local Similarity 100.0%; Pred. No. 67;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 285 TTACCTGATTTTATAAAT 303
    |||||
Db 342 TTACCTGATTTTATAAAT 324

RESULT 10
US-10-027-632-202632
; Sequence 202632, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 202632
; LENGTH: 585
; TYPE: DNA
; ORGANISM: Human
; US-10-027-632-202632

Query Match          3.8%; Score 19; DB 13; Length 585;
Best Local Similarity 100.0%; Pred. No. 68;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 186 TTTTGAGAAAATTGTCAA 204
    |||||
Db 476 TTTTGAGAAAATTGTCAA 494

RESULT 11
US-10-027-632-202632
; Sequence 202632, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
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; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 202632
; LENGTH: 585
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-202632

```

Query Match 3.8%; Score 19; DB 17; Length 585;
Best Local Similarity 100.0%; Pred. No. 68;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 186 TTTTGAGAAAAATTGTCAA 204
|||
Db 476 TTTTGAGAAAAATTGTCAA 494

RESULT 12
US-10-767-701-26479/c
; Sequence 26479, Application US/10767701
; Publication No. US20040172684A1

```

; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 26479
; LENGTH: 599
; TYPE: DNA
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: 30975053
US-10-767-701-26479

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Query Match          3.8%; Score 19; DB 19; Length 599;
Best Local Similarity 100.0%; Pred. No. 68;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 27 GCAGCAACATACACAATTG 45
|||
Db 390 GCAGCAACATACACAATTG 372

RESULT 13
US-10-425-114-8709
; Sequence 8709, Application US/10425114
; Publication No. US20040034888A1

```

: APPLICANT: Liu, Jingdong
: APPLICANT: Zhou, Yihua
: APPLICANT: Kowalic, David K.
: APPLICANT: Screen, Steven E
: APPLICANT: Tabaska, Jack E
: APPLICANT: Cao, Yongwei
: TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
: TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
: FILE REFERENCE: 38-21(5313)B
: CURRENT APPLICATION NUMBER: US/10/425,114

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; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 8709
; LENGTH: 1009
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; US-10-4295-114-8709
US-10-4295-114-8709_FLI

```

Query Match 3.8%; Score 19; DB 18; Length 1009;
Best Local Similarity 100.0%; Pred.No. 71;
Matches 19; Conservative 0; Mismatches 0; Indels

Qy 180 CCAAAATTTTGAGAAAATT 198
|||
Db 972 CCAAAATTTTGAGAAAATT 990

```

RESULT 14
US-10-027-632-202631
; Sequence 202631, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827,129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12

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, PRIOR FILING DATE: 2000-04-20
, PRIOR APPLICATION NUMBER: US 60/193,483
, PRIOR FILING DATE: 2000-03-29
, PRIOR APPLICATION NUMBER: US 60/185,218
, PRIOR FILING DATE: 2000-02-24
, PRIOR APPLICATION NUMBER: US 60/167,363
, PRIOR FILING DATE: 1999-11-23
, PRIOR APPLICATION NUMBER: US 60/156,358
, PRIOR FILING DATE: 1999-09-28
, PRIOR APPLICATION NUMBER: US 60/146,002
, PRIOR FILING DATE: 1999-08-09
, NUMBER OF SEQ ID NOS: 325720
, SOFTWARE: fastseq for Windows Version 4.0
, SEQ ID NO 202631
, LENGTH: 1145
, TYPE: DNA
, ORGANISM: Human
US-10-027-632-202631

```

Query Match 3.8%; Score 19; DB 13; Length 1145;
Best Local Similarity 100.0%; Pred. No. 72;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 186 TTTTGAGAAAATTGTCAAA 204
|||
Db 1036 TTTTGAGAAAATTGTCAAA 1054

```

RESULT 15
US-10-027-632-202631
; Sequence 202631, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006

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; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 202631
; LENGTH: 1145
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-202631

Query Match 3.8%; Score 19; DB 17; Length 1145;
Best Local Similarity 100.0%; Pred.No. 72;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 186 TTTTGAGAAATTGTCAAA 204
Db 1036 TTTTGAGAAATTGTCAAA 1054

Search completed: September 27, 2005, 07:49:23
Job time : 779.646 secs

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OM nucleic - nucleic search, using sw model

Run on: September 26, 2005, 09:25:56 ; Search time 114.98 Seconds
(without alignments)
7129.691 Million cell updates/sec

Title: US-09-464-767A-3_COPY_20000_20500
Perfect score: 501
Sequence: 1 acacacaggaaacagactcaa.....atttgatgaacccgaaaaa 501

Scoring table: IDENTITY NUC
Gapop 10_0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:
1: /cgn2_6/prodata/1/ina/5A COMB.seq.*
2: /cgn2_6/prodata/1/ina/5B COMB.seq.*
3: /cgn2_6/prodata/1/ina/6A COMB.seq.*
4: /cgn2_6/prodata/1/ina/6B COMB.seq.*
5: /cgn2_6/prodata/1/ina/6C COMB.seq.*
6: /cgn2_6/prodata/1/ina/backfileseq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	110.2	22.0	2040	4	US-09-717-364A-18
2	110.2	22.0	26270	4	US-09-717-364A-1
3	75	15.0	34446	3	US-09-103-330-35
4	72.4	14.5	32166	4	US-09-562-930-11
5	72.4	14.5	32798	4	US-09-604-694B-1
6	72.4	14.5	34303	2	US-08-735-609-4
7	72.4	14.5	34303	2	US-08-735-609-4
8	72.4	14.5	34303	3	US-09-315-372-4
9	72.4	14.5	34303	3	US-09-244-752-4
10	72.4	14.5	34303	3	US-09-245-497-4
11	72.4	14.5	34303	3	US-09-562-919-4
12	72.4	14.5	34382	2	US-08-374-483-6
13	72.4	14.5	35408	3	US-08-973-334-3
14	72.4	14.5	35408	3	US-09-563-869A-3
15	72.4	14.5	35408	3	US-08-549-489-3
16	72.4	14.5	35871	4	US-09-956-335-2
17	72.4	14.5	35935	2	US-08-735-609-1
18	72.4	14.5	35935	2	US-08-735-609-1
19	72.4	14.5	35935	3	US-08-379-452-43
20	72.4	14.5	35935	3	US-09-315-372-1
21	72.4	14.5	35935	3	US-09-244-752-1
22	72.4	14.5	35935	3	US-09-245-497-1
23	72.4	14.5	35935	3	US-09-409-670-43
24	72.4	14.5	35935	3	US-09-562-919-1
25	72.4	14.5	35978	4	US-09-956-335-1
26	72.4	14.5	36620	4	US-09-952-060-30
27	72.4	14.5	37474	4	US-09-952-060-25

28	72.4	14.5	38519	4	US-09-952-060-28	Sequence 28, Appl
29	72	14.4	34185	3	US-09-545-481-3	Sequence 3, Appl
30	70	14.0	34794	4	US-09-713-678-39	Sequence 39, Appl
31	66.6	13.3	19056	3	US-09-272-032-8	Sequence 8, Appl
32	66.6	13.3	19056	4	US-09-443-218-8	Sequence 8, Appl
33	59.2	11.8	35524	3	US-08-923-137-1	Sequence 1, Appl
34	55	11.0	43804	3	US-09-171-461-1	Sequence 1, Appl
35	55	11.0	43804	4	US-09-970-711-1	Sequence 1, Appl
36	50	10.0	23381	4	US-09-949-016-13962	Sequence 13962, A
37	47.2	9.4	8048	4	US-09-976-594-553	Sequence 553, App
38	47.2	9.4	8050	4	US-09-566-921-44	Sequence 44, Appl
39	46.6	9.3	2397	4	US-09-710-279-4427	Sequence 4427, Ap
40	46.6	9.3	3196	4	US-09-710-279-3454	Sequence 3454, Ap
41	46	9.2	1241	1	US-07-593-657-6	Sequence 6, Appl
42	46	9.2	1241	3	US-08-942-012B-3	Sequence 3, Appl
43	45	9.0	603	4	US-09-248-796A-5211	Sequence 5211, Ap
44	45	9.0	36519	3	US-08-923-137-2	Sequence 2, Appl
45	44.6	8.9	446	3	US-09-097-541-1	Sequence 1, Appl

ALIGNMENTS

RESULT 1

US-09-717-364A-18
; Sequence 18, Application US/09717364A
; Patent No. 6663872

GENERAL INFORMATION:

; APPLICANT: Pitkovski, Jacob
; APPLICANT: Muallem, Margalit
; APPLICANT: Koren, Ziv Re
; APPLICANT: Kriespel, Simcha
; APPLICANT: Shmueli, Esther
; APPLICANT: Peretz, Yifat
; APPLICANT: Gutter, Bezalel
; APPLICANT: Gallili, Gilad
; APPLICANT: Michael, Amnon
; APPLICANT: Goldberg, Doron
; TITLE OF INVENTION: HEMORRHAGIC ENTERITIS VIRUS DNA SEQUENCES, PROTEINS ENCODED THERE
; FILE OF INVENTION: VARIOUS USES THEREOF
; FILE REFERENCE: 1567/63655
; CURRENT APPLICATION NUMBER: US/09/717,364A
; CURRENT FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: IL124567
; PRIOR FILING DATE: 1998-05-20
; PRIOR APPLICATION NUMBER: PCT/IL9900268
; PRIOR FILING DATE: 1999-05-19
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 18
; LENGTH: 2040
; TYPE: DNA
; ORGANISM: hemorrhagic enteritis virus

US-09-717-364A-18

Query Match 22.0%; Score 110.2; DB 4; Length 2040;
Best Local Similarity 53.0%; Pred. No. 1.3e-17;
Matches 260; Conservative 0; Mismatches 228; Indels 3; Gaps 1;

QY	1	ACACACAGAACAGACTCAATTAATCGGACGCAACATACACAAATTCGCAACCAACGACCAACAA 60
DB	1045	ACATATGAGAAATAACAATAACAATCCAAATCTTCACACAAACATTAGATTGTAATGATGTT 1104
QY	61	ATAGACTATATCATAGATACAGTGTATTATTTTGGTATTTTACGTGGCAGACAGCAATG 120
DB	1105	GAAGATTATATGGTTGATACAAATTTTTTACTTGATATGACTTGGCAGACTGCAATG 1164
QY	121	GATATTTTGGAAATCAACATTTAGATGATATAAAACAATAATATATATTAAGAGAAATTAAC 180
DB	1165	CGTGTGTGCAACAAATATCAATGAGAAGATTTAGCTAGTATGAAAGATTTTTTAACT 1224
QY	181	CAAAATTTTGGAGAA---ATTGTCAAAGCTGAATGATGAAAGTTTCTGAAATTTTA 237

Db 1225 AAAAAACGACCAAAATTTGTTGTGTCGATTCAGATAGCATGGCTGATATGCTAGCA 1284
QY 238 AAGTCTATTATTTCCCTGAACATCATGCTCGAGCTTTTGTCTTAATTTTACCTGATTTT 297
Db 1285 GATTGANAACAGATGCGGAGTCTTGTCTTCAGATTTTATAGGATGCTTTACCAATTTT 1344
QY 298 ATAAATCAGAGTCAGATATCAAAATTTTAGAAACTTTTATCTGCAATTAATCCGGCATACCG 357
Db 1345 ATGTCACAGACTCAATTTGAATACTTTTAGAACATTTTATTATTAGCGAGAAGTAATATAGT 1404
QY 358 CAGTCAATTTGCCCTTATTTACCTTCAGATCTAATTTCCCTTTAACTTTCTAGAAAGTCAT 417
Db 1405 AGCTGTATGTTTCAACAGTAGTTAAAGATTTTGTACCAATTAGATTTTAAAGAATCTCCA 1464
QY 418 CCAATCTCTGGAGTCATGTAATGTTTACTAAATCTTGTCTTCAATTTCTAGTAAACCAAGC 477
Db 1465 CCACAAATTTGGCCACATGTTTACTGCTTGAGACTGTCTTATTATTTTCTACAAATCATGGA 1524
QY 478 AATTATTTGCA 488
Db 1525 GATTATCAACA 1535

RESULT 2
US-09-717-364A-1
; Sequence 1, Application US/09717364A
; Patent No. 6663872
; GENERAL INFORMATION:
; APPLICANT: Pitkovski, Jacob
; APPLICANT: Mualem, Margalit
; APPLICANT: Koren, Ziv Rei
; APPLICANT: Krispel, Simcha
; APPLICANT: Shmueli, Esther
; APPLICANT: Peretz, Yifat
; APPLICANT: Gutter, Bezael
; APPLICANT: Gallili, Gilad
; APPLICANT: Michael, Amnon
; APPLICANT: Goldberg, Doron
; TITLE OF INVENTION: HEMORRHAGIC ENTERITIS VIRUS DNA SEQUENCES, PROTEINS ENCODED THERE
; TITLE OF INVENTION: VARIOUS USES THEREOF
; FILE REFERENCE: 1567/63655
; CURRENT APPLICATION NUMBER: US/09/717,364A
; CURRENT FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: IL124567
; PRIOR FILING DATE: 1998-05-20
; PRIOR APPLICATION NUMBER: PCT/IL9900268
; PRIOR FILING DATE: 1999-05-19
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 26270
; TYPE: DNA
; ORGANISM: hemorrhagic enteritis virus
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (25290)..(25290)
; OTHER INFORMATION: N-Unknown
US-09-717-364A-1

Query Match 22.0%; Score 110.2; DB 4; Length 26270;
Best Local Similarity 53.0%; Pred. No. 2.4e-17;
Matches 260; Conservative 0; Mismatches 228; Indels 3; Gaps 1;

QY 1 ACACACAGGACAGACTCAATATCCGACCAACATACACAAATGGCAACCGAAGACAA 60
Db 19228 ACATATGAGAATAACATAACAATCCAAATCTTCACACAAATAGATTGATGGT 19287
QY 61 ATAGACTATATCATAGATACAGTGTATTTATTTTGTGTTTACGTGGCAGACGAATG 120
Db 19288 GAAGATTATATGTTGATACAAATTTTATATCTTGNATGATGCTGGCAGCTGCATG 19347
QY 121 GATATTTGGAATCAACATTTAGATGATPAAACAAATAAATAATTAAGAGGAATTAAC 180

Db 19348 GGTGTGTGGCAACAAAATATCAATGAGAAGAAATTTAGCTAGTATGAAAGATTTTAACT 19407
QY 181 CAAAATTTTGAGAAA--ATTGTCAAAAGCTGAATCAGTTGATGAAGTTTCTGAAATTTTA 237
Db 19408 AAAAAACGACCAAAATTTGTTGTGTCGATTCAGATAGCATGGCTGATATGCTAGCA 19467
QY 238 AAGTCTATTATTTCCCTGAACATCATGCTCGAGCTTTTGTCTTAATTTTACCTGATTTT 297
Db 19468 GATTGGATAACAGATGCGGAGTCTTGTCTTCAGATTTTATAGGATGCTTTACCAATTTT 19527
QY 298 ATAAATCAGAGTCAGATATCAAAATTTTAGAAACTTTTATCTGCAATTAATCCGGCATACCG 357
Db 19528 ATGTCACAGACTCAATTTGAATACTTTTAGAACATTTTATTATTAGCGAGAAGTAATATAGT 19587
QY 358 CAGTCAATTTGCCCTTATTTACCTTCAGATCTAATTTCCCTTTAACTTTCTAGAAAGTCAT 417
Db 19588 AGCTGTATGTTTCAACAGTAGTTAAAGATTTTGTACCAATTAGATTTTAAAGATCTCCA 19647
QY 418 CCAATCTCTGGAGTCATGTAATGTTTACTAAATCTTGTCTTCAATTTCTAGTAAACCAAGC 477
Db 19648 CCACAAATTTGGCCACATGTTTACTGCTTGAGACTGTCTTATTATTTTCTACAAATCATGGA 19707
QY 478 AATTATTTGCA 488
Db 19708 GATTATCAACA 19718

RESULT 3
US-09-103-330-35
; Sequence 35, Application US/09103330A
; Patent No. 6319716
; GENERAL INFORMATION:
; APPLICANT: TIKOO, SURESH K.
; APPLICANT: BABIUK, LORNE A.
; APPLICANT: REDDY, POLICE S.
; TITLE OF INVENTION: ISOLATION OF MUTANTS IN THE E3 REGION OF THE
; TITLE OF INVENTION: BOVINE ADENOVIRUS GENOME AND THEIR USE IN VACCINES
; FILE REFERENCE: 293102002121
; CURRENT APPLICATION NUMBER: US/09/103,330A
; CURRENT FILING DATE: 1998-06-23
; EARLIER APPLICATION NUMBER: 08/880,234
; EARLIER FILING DATE: 1997-06-23
; EARLIER APPLICATION NUMBER: 08/164,292
; EARLIER FILING DATE: 1993-12-09
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 35
; LENGTH: 34446
; TYPE: DNA
; ORGANISM: Bovine adenovirus type 3
US-09-103-330-35

Query Match 15.0%; Score 75; DB 3; Length 34446;
Best Local Similarity 49.9%; Pred. No. 1.1e-08;
Matches 189; Conservative 0; Mismatches 190; Indels 0; Gaps 0;

QY 51 CGAAGACAAAATAGACTATATCATAGATACAGTGTATTTTATTTTGTGTTTACGTGGCA 110
Db 23916 CGAAGACCCGACAGACTATCATAGAGACAGACTCTTCTTCTTCTGTTTATCTGGCA 23975
QY 111 GACAGCAATGGATATTTTGGAAATCAACATTTAGATGATAAACAATAAATATATTAAGA 170
Db 23976 GACTGCCATGGCAATTTTGGCAGCAGTGCCTCGAGACTGAGAAGCTTGAAGAACTTGA 24035
QY 171 GGAATTAACCAAAAATTTTGGAGAAAATTTGTCAAAGCTGAATCAGTTGATGAAGTTTCTGA 230
Db 24036 GCTCTTGGCAAAAAGCAAGAGGGCTCTCTGGACGGCTTCGACGAGCTCACCATAGCTCA 24095
QY 231 AATTTTAAAGTCTATTATTTTCCCTGAACTCATGCTCGAGCTTTTGTCTTAATTTACC 290
Db 24096 AGACCTAGCTGACATAGTGTTCCTCCCAAAATTTCTTGACACCTTGCAAGCGGCTGCC 24155
QY 291 TGATTTTATAAATCAGAGTCAGATATCAAAATTTTAGAAAATTTTATCTGCAATTAATCCGG 350

Db 24156 AGACCTTACATCCAGAGTCTCCTTCAACATTTTCCTCTTCATTTTGAAGCTCGGG 24215
QY 351 CATACCGCAGTCAATTTGGCCCCCTATTACCTTCAGATCTAAATTCCTTTTAACCTTTCTCTAGA 410
Db 24216 CATTTCTCCGCGCATGTGAATGCACTGCCACGAGCTTCATCCCTATCAGCTACGGGA 24275
QY 411 AGTCATCCAACTCTGG 429
Db 24276 GTGCCCTCCAACCTTTCTGG 24294

RESULT 4
US-09-562-930-11
; Sequence 11, Application US/09562930
; Patent No. 6835812
; GENERAL INFORMATION:
; APPLICANT: Genotherapeutics Inc.
; APPLICANT: Steiner, Mitchell
; APPLICANT: Wang, Chiang
; APPLICANT: Rinaldy, Augustinus
; APPLICANT: Menon, Rema
; TITLE OF INVENTION: Isolated nucleic acids of the p-hyde family, p-hyde proteins, and
; TITLE OF INVENTION: of inducing susceptibility to induction of cell death in cancer
; FILE REFERENCE: P-2762-US2
; CURRENT APPLICATION NUMBER: US/09/562,930
; CURRENT FILING DATE: 2002-09-11
; PRIOR APPLICATION NUMBER: US 09/302,457
; PRIOR FILING DATE: 1999-04-29
; PRIOR APPLICATION NUMBER: US 09/499,817
; PRIOR FILING DATE: 1999-04-29
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 11
; TYPE: DNA
; ORGANISM: Rat
; US-09-562-930-11

Query Match 14.5%; Score 72.4; DB 4; Length 32166;
Best Local Similarity 48.5%; Pred. No. 4.6e-08;
Matches 199; Conservative 0; Mismatches 211; Indels 0; Gaps 0;

QY 64 GACTATATCATAGATACAGTGTATTTATTTTGGTATTTTACGTGGCAGACAGCAATGGAT 123
Db 21969 GACTAGTCCGCGACTGCTTACTTATTTCTATGCTACACCTGGCAGACGGCCATGGGC 22028
QY 124 ATTGGAATCAACATTAGATGATAAACAATATAATTAATTAAGAGGAAATTAACCAA 183
Db 22029 GTTTGGCAGAGTGTGGAGGAGTGCAACCTCAAGGAGCTGCAGAAACTGCTAAAGCAA 22088
QY 184 AATTTTGGAGAAATTTGTCAAAGCTGAATCAGTTGATGAAGTTTCTGAAATTTTAAAGTCT 243
Db 22089 AACTTGAAGACCTATGGAGCGCTTCAACAGAGCGCTCCGTGGCCGCGCACCTGGCGGAC 22148
QY 244 ATTATTTTCCCTGAATCATGTGCGAGCTTTTGTGTTCTAAATTTACCTGATTTTATAAAT 303
Db 22149 ATCATTTTCCCGAAGCGCTGCTTAAACCCCTGCAACAGGGTCTGCAGACTTCACCACT 22208
QY 304 CAGAGTCAGATATCAATTTTAGAACTTTTAGAACTTTATCTGCAATTAATCCGGCATACCGAGTCA 363
Db 22209 CAAAGCATGTTCAGAACTTTAGGAACTTTATCTTAGAGCGCTCAGGAATCTTGCCCGCC 22268
QY 364 ATTGCCCCCTATTACCTTCAGATCTAAATTCCTTTAACTTTCTAGAAAGTCAATCAATA 423
Db 22269 ACTGCTGTGCACTTCTAGGAGCTTTGCGCCATTAAGTACCGGAAATGCCCTCGCGC 22328
QY 424 CTCTGGAGTCATGTAATGTACTAAATCTTGCTTCATTTCTAGTAAACCA 473
Db 22329 CTTTGGGGCCACTGCTACCTTCTGCAGCTAGCCAACTACCTTGGCTTACCA 22378

RESULT 5

US-09-604-694B-1
; Sequence 1, Application US/09604694B
; Patent No. 6579522
; GENERAL INFORMATION:
; APPLICANT: BROUGH, DOUGLAS E
; APPLICANT: KING, C R
; APPLICANT: KOVESDI, INRE
; APPLICANT: SCHABUE, JASPER J
; TITLE OF INVENTION: REPLICATION DEFICIENT ADENOVIRAL TNF VECTOR
; FILE REFERENCE: 202028
; CURRENT APPLICATION NUMBER: US/09/604,694B
; CURRENT FILING DATE: 2003-01-10
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 32798
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic construct
; US-09-604-694B-1

Query Match 14.5%; Score 72.4; DB 4; Length 32798;
Best Local Similarity 48.5%; Pred. No. 4.7e-08;
Matches 199; Conservative 0; Mismatches 211; Indels 0; Gaps 0;

QY 64 GACTATATCATAGATACAGTGTATTTATTTTGGTATTTTACGTGGCAGACAGCAATGGAT 123
Db 24306 GACTAGTCCGCGACTGCGTTTACTTATTTCTATGCTACACCTGGCAGACGGCCATGGGC 24365
QY 124 ATTGGAATCAACATTAGATGATAAACAATATAATTAATTAAGAGGAAATTAACCAA 183
Db 24366 GTTTGGCAGAGTGTCTGGAGGAGTGCAACCTCAAGGAGCTGCAGAACTGCTAAAGCAA 24425
QY 184 AATTTTGGAGAAATTTGTCAAAGCTGAATCAGTTGATGAAGTTTCTGAAATTTTAAAGTCT 243
Db 24426 AACTTGAAGACCTATGAGCGCTTCAACGAGCGCTCCGTGGCCGCGCACCTGGCGGAC 24485
QY 244 ATTATTTTCCCTGAATCATGTGCGAGCTTTTGTGTTCTAAATTTACCTGATTTTATAAAT 303
Db 24486 ATCATTTTCCCGAAGCGCTGCTTAAACCCCTGCAACAGGGTCTGCAGACTTCACCACT 24545
QY 304 CAGAGTCAGATATCAATTTTAGAACTTTTAGAACTTTATCTGCAATTAATCCGGCATACCGAGTCA 363
Db 24546 CAAAGCATGTTCAGAACTTTTAGGAACTTTATCTTAGAGCGCTCAGGAATCTTGCCCGCC 24605
QY 364 ATTGCCCCCTATTACCTTCAGATCTAAATTCCTTTAACTTTCTAGAAAGTCAATCAATA 423
Db 24606 ACTGCTGTGCACTTCTTAGAGCTTTGCGCCATTAAGTACCGGAAATGCCCTCGCGC 24665
QY 424 CTCTGGAGTCATGTAATGTACTAAATCTTGCTTCATTTCTAGTAAACCA 473
Db 24666 CTTTGGGGCCACTGCTACCTTCTGCAGCTAGCCAACTACCTTGGCTTACCA 24715

RESULT 6
US-08-735-609-4
; Sequence 4, Application US/08735609
; Patent No. 5955360
; GENERAL INFORMATION:
; APPLICANT: Chamberlain, Jeffrey S.
; APPLICANT: Amalfitano, Andrea
; APPLICANT: Hauser, Michael A.
; APPLICANT: Kumar-Singh, Rajendra
; APPLICANT: Hartigan-O'Connor, Dennis J.
; TITLE OF INVENTION: IMPROVED ADENOVIRUS VECTORS
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESS: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States Of America

```

, ZIP: 94104
,
, COMPUTER READABLE FORM:
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, MEDIUM TYPE: Floppy disk
,
, COMPUTER: IBM PC compatible
,
, OPERATING SYSTEM: PC-DOS/MS-DOS
,
, SOFTWARE: Patent In Release #1.0, Version #1.30
,
, CURRENT APPLICATION DATA:
,
, APPLICATION NUMBER: US/08/735,609
,
, FILING DATE:
,
, CLASSIFICATION: 435
,
, ATTORNEY/AGENT INFORMATION:
,
, NAME: Ingolia, Diane E.
,
, REGISTRATION NUMBER: 40,027
,
, REFERENCE/DOCKET NUMBER: UM-02484
,
, TELECOMMUNICATION INFORMATION:
,
, TELEPHONE: (415) 705-8410
,
, TELEFAX: (415) 397-8338
,
, INFORMATION FOR SEQ ID NO: 4:
,
, SEQUENCE CHARACTERISTICS:
,
, LENGTH: 34303 base pairs
,
, TYPE: nucleic acid
,
, STRANDEDNESS: double
,
, TOPOLOGY: linear
,
, MOLECULE TYPE: other nucleic acid
,
, DESCRIPTION: /desc = "DNA"
,
, US-08-735-609-4

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Query Match	14.5%;	Score 72.4;	DB 2;	Length 34303;
Best Local Similarity	48.5%;	Pred. No. 4.7e-08;		
Matches 199;	Conservative 0;	Mismatches 211;	Indels 0;	Gaps 0;
QY	64	GACTATATCATGATACAGTGTATTTATTTTGGTATTTACGTGGCAGACAGCAATGAT	123	
DB	26801	GACTAGCTCGCGACTGCGTTTACTTTTCTTATGCTACACCTGGCAGACGGCCATGGCG	26860	
QY	124	ATTTGGAAATCAACATTAGATGATAAACAATAATATAATTAAGAGGAATTAACCAA	183	
DB	26861	GTTTGGCAGCAGTGTCTGGAGGAGTGCAACCTCAAGGAGCTGCAGAAACTGCTAAAGCAA	26920	
QY	184	AAATTTTGAGAAATTTCTCAAGCTGAATCAGTTTGATGAAGTTTCTGMAATTTTAAAGTCT	243	
DB	26921	AACTGAAGGACCTATGGACGGCTTTCAACAGACGGCTCGTGGCGCGCACCTGGCGGAC	26980	
QY	244	ATTATTTTCCCTGAACTCATGCTCGAGCTTTTGTTCATAATTTACCTGATTTTATAAT	303	
DB	26981	ATCATTTTCCCGAAGCGCTGCTTTAAACCCCTGCAACGGGTCTGCAGACTTCCACAGT	27040	
QY	304	CAGAGTCAGATATCAAAATTTTAGAAACTTTATCTGCATTAATCCGCATACCCGAGTCA	363	
DB	27041	CAAAAGCATGTTCAGAACTTTTAGGAACCTTTATCCTAGAGCGCTCAGGAATCTTGGCCGCC	27100	
QY	364	ATTTGGCCCCCTATACCTTTCAGATCTAAATCTCTTTAACTTTCTTAGAAAGTCATCCAATA	423	
DB	27101	ACCTGCTGTGCATTTCTTAGCGACTTTGTGGCCATTAAGTACCGCGATGCCCTCGCGG	27160	
QY	424	CTCTGGAGTCATGTAAGTTATCTAAATCTTGCTTCAATTTCTAGTAAACCA	473	
DB	27161	CTTTGGGGCCACTGCTACCTTCTGACGCTAGGCAACTACTCTTGCCTTACCA	27210	

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RESULT 7
US-08-735-609-4
; Sequence 4, Application US/08735609
; Patent No. 5994132
; GENERAL INFORMATION:
; APPLICANT: Chamberlain, Jeffrey S.
; Amalfitano, Andrea
; Hauser, Michael A.
; Kumar-Singh, Rajendra
; Hartigan-O'Connor, Dennis J.
; TITLE OF INVENTION: IMPROVED ADENOVIRUS VECTORS
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
;

```

```

; ADDRESS: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States Of America
; ZIP: 94104
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/735,609
; FILING DATE: 23-Oct-1996
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: UM-02484
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
;
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 34303 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-08-735-609-4

Query Match 14.5%; Score 72.4; DB 2; Length 34303;
Best Local Similarity 48.5%; Pred No. 4.7e-08;
Matches 199; Conservative 0; Mismatches 211; Indels 0; Gaps 0;

Qy 64 GACTATATCATAGATACAGTGTAATTTATTTTGGTATTTTACGTGGCAGACAGCAATGGAT 123
Db 26801 GACTACGTCCGGGACTGGCGTTTACTTATTTCTATGCTACACCTGGCAGACGGCCATGGGC 26860

Qy 124 ATTTGGAATCAACATAGATGATATAAACAATAATATAATTAAGAGGAATTAACCAA 183
Db 26861 GTTTGGCAGCAGTGCTTGGAGAGGTGCAACCTCAAGGAGCTGCAGAAACTGCTAAAGCNA 26920

Qy 184 AATTTTGAGAAAATTGTCAAAGCTGAATCAGTTGATGAAGTTTCTGAAATTTTAAAGTCT 243
Db 26921 AACTTGAAGGACCTATGGACGGCTTTCAACGAGCGCTCGTGGCGCGCCACTGGCGGAC 26980

Qy 244 ATTTATTTTCCCTGAACCTCATGCTGGGAGCTTTTGTCTTAATTTTACCTGATTTTATTAAT 303
Db 26981 ATCATTTTCCCCGACGCCCTGCTTAAACCCCTGCAACAGGGTCTGCCAGACTTCACCACT 27040

Qy 304 CAGAGTCAGATATCAAAATTTTGAACCTTTATCTGCATTAATATCGGCGATACCGGAGTCA 363
Db 27041 CAAAGCATGTGCGAAGCTTTAGGAACCTTTATCTCTAGAGCGCTCAGGAATCTTTGCCGCC 27100

Qy 364 ATTTGCCCTTATTACCTTCAGATCTAATTTCTTTAACTTTTCTTAGAAGTCATCCATA 423
Db 27101 ACCTGCTGTGCATCTTCTTAGCGACTTTGTGCCCATTAAGTACCGGGAATGCCCTCCGCCG 27160

Qy 424 CTCTGGAGTCATGTAATGTTTACTAAATCTTGCTTCATTTTCTAGTAAACCA 473
Db 27161 CTTTGGGGCCACTGCTACCTTCTGCGAGTACGCAACTACCTTGCCTACCA 27210

RESULT 8
US-09-315-372-4
; Sequence 4, Application US/09315372
; Patent No. 6057158
; GENERAL INFORMATION:
; APPLICANT: Chamberlain, Jeffrey S.
; APPLICANT: Amalfitano, Andrea

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QY 364 ATTGTCCTTACCTTCAGATCAATTCCTTTAACTTTCTAGAGAGTCAATCAATA 423
Db 27101 ACCTGTGTGCACTTCTAGGAGCTTTGTGCCATTAAGTACCGGAGTCCCTCGCGG 27160

QY 424 CTCTGGAGTCATGTAATGTTACTAAATCTTGCTTCAATTTCTAGTAAACCA 473
Db 27161 CTTTGGGGCCACTGCTACCTTCTGCAGTAGCCCACTACCTTGCCTTACCA 27210

RESULT 10
US-09-245-497-4
; Sequence 4, Application US/09245497
; Patent No. 6083750
; GENERAL INFORMATION:
; APPLICANT: Chamberlain, Jeffrey S.
; APPLICANT: Amalfitano, Andrea
; APPLICANT: Hauser, Michael A.
; APPLICANT: Kumar-Singh, Rajendra
; APPLICANT: Hartigan-O'Connor, Dennis J.
; TITLE OF INVENTION: IMPROVED ADENOVIRUS VECTORS
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States Of America
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION NUMBER: US/09/245,497
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/735,609
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: UM-02484
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 34303 base pairs
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-09-245-497-4

Query Match 14.5%; Score 72.4; DB 3; Length 34303;
Best Local Similarity 48.5%; Pred. No. 4.7e-08;
Matches 199; Conservative 0; Mismatches 211; Indels 0; Gaps 0;

QY 64 GACTATATCATAGATACAGTGTATTTTGTGTTTACGTGGCAGACGCAATGGAT 123
Db 26801 GACTAGTCGCGACTCGCTTTTACTTTTCTATGTCTACACCTGGCAGAGCGGCATGGC 26860

QY 124 ATTGGGAATCAACATTAGATGATAAACAATTAATAATTAAGAGGAATTAACCAA 183
Db 26861 GTTTGGCAGCAGTCTTTGGAGGAGTGAACCTCAAGGAGCTGCAGAACTGCTAAAGCAA 26920

QY 184 AATTTGAGAAATGTTCAAGCTGAATCAGTGTGATGAAGTTCTGAAATTTTAAAGTCT 243
Db 26921 AACTTGAAGGACCTATGAGCGGCCTTCAACAGAGCGCTCCGTGGCGCGCACCTGGCGGAC 26980

QY 244 ATTATTTTCCCTGAATCATGCTGCGAGCTTTTGTCTTAATTTTACCTGATTTTATAAAT 303
Db 26981 ATCAATTTTCCCGAACGCTGCTTTAAACCCCTGCAACAGGGTCTGCAGACTTCACCACT 27040

QY 304 CAGAGTCAGATATCAAAATTTTGAACACTTTATCTGCAATTAATCCGGCATACCGCAGTCA 363
Db 27041 CAAAGCATGTTGCGAAGCTTTTAGAAGCTTTATCTCTAGAGCGCTCAGGAATCTTTGCCCGCC 27100

QY 364 ATTGTCCTTACCTTACCTTCAGATCAATTCCTTTAACTTTCTAGAGAGTCAATCAATA 423
Db 27101 ACCTGTGTGCACTTCTAGGAGCTTTGTGCCATTAAGTACCGGAGTCCCTCGCGG 27160

QY 424 CTCTGGAGTCATGTAATGTTACTAAATCTTGCTTCAATTTCTAGTAAACCA 473
Db 27161 CTTTGGGGCCACTGCTACCTTCTGCAGTAGCCCACTACCTTGCCTTACCA 27210

RESULT 11
US-09-562-919-4
; Sequence 4, Application US/09562919
; Patent No. 6451596
; GENERAL INFORMATION:
; APPLICANT: Chamberlain, Jeffrey S.
; APPLICANT: Amalfitano, Andrea
; APPLICANT: Hauser, Michael A.
; APPLICANT: Kumar-Singh, Rajendra
; APPLICANT: Hartigan-O'Connor, Dennis J.
; TITLE OF INVENTION: IMPROVED ADENOVIRUS VECTORS
; NUMBER OF SEQUENCES: 15
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States Of America
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION NUMBER: US/09/562,919
; FILING DATE: 02-May-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/735,609
; FILING DATE: 23-Oct-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: UM-02484
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 34303 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-562-919-4

Query Match 14.5%; Score 72.4; DB 3; Length 34303;
Best Local Similarity 48.5%; Pred. No. 4.7e-08;
Matches 199; Conservative 0; Mismatches 211; Indels 0; Gaps 0;

QY 64 GACTATATCATAGATACAGTGTATTTTGTGTTTACGTGGCAGACGCAATGGAT 123
Db 26801 GACTAGTCGCGACTCGCTTTTACTTTTCTATGTCTACACCTGGCAGAGCGGCATGGC 26860

QY 124 ATTTGGAATCAAACTTAGATGATAAAACAATAAATAATTAAGAGGAATTAACCAA 183
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DB 26861 GTTTGGCAGCAGTGTGGAGGAGTGCAACCTCAAGGAGCTGCAGAACTGCTAAAGCAA 26920
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QY 184 AATTTTGAGAAATTTGCAAGCTGAATCAGTTGATGAAGTTTCTGAAATTTTAAAGTCT 243
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DB 26921 AACTTGAAGGACCTATGGACGGCTTCAAGAGCGCTCCGTGGCCGCGCACCTGGCGGAC 26980
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QY 244 ATATTATTTCCCTGAACTCATGCTGCGAGCTTTTGTCTTAATTTTACCTGATTTTATAAAT 303
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QY 304 CAGAGTCAGATATCAAAATTTTGAATCTTATCTGCAATTAATTCGGGCATACCGCAGTCA 363
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DB 27041 CAAAGCATGTTGCAGAACTTTAGGAACCTTATCTAGAGCGCTCAGGAATCTTGGCCGCG 27100
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QY 364 ATTTGGCCCTTATTTACCTTCAGATCAATTCCTTTAACTTTCTAGAAAGTCATCCAAAT 423
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DB 27101 ACCTGCTGTGCACTTCTAGAGCTTTGTGCCAATTAAGTACCGCAATGCCCTCGCGG 27160
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QY 424 CTCTGAGTCATGTAATGTTTACTTAAATCTTGCTTCAATTTCTAGTAAACCA 473
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DB 27161 CTTTGGGCCACTGCTACCTTCTGACGTAGCACTACCTTGCCTACCA 27210
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RESULT 12

US-08-374-483-6
; Sequence 6, Application US/08374483
; Patent No. 5880102
; GENERAL INFORMATION:
; APPLICANT: GEORGE, SAMUEL E.
; APPLICANT: BLAZING, MICHAEL A.
; TITLE OF INVENTION: ADENOVIRAL VECTOR SYSTEM
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
; STREET: 1100 NORTH GLEBE ROAD, 8TH FLOOR
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/374,483
; FILING DATE: 17-JAN-1995
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: WILSON, MARY J.
; REGISTRATION NUMBER: 32,955
; REFERENCE/DOCKET NUMBER: 1579-83
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4000
; TELEFAX: (703) 816-4100
; TELEX: 200797 NIXN UR
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 34382 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-374-483-6

Query Match 14.5%; Score 72.4; DB 2; Length 34382;
Best Local Similarity 48.5%; Pred. No. 4.7e-08;
Matches 199; Conservative 0; Mismatches 211; Indels 0; Gaps 0;

QY 64 GACTATATCATAGATACAGTGTATTATTTTGGTATTTTACGTGGCAGACGAATGGAT 123

DB 26223 GACTAGCTCGCGACTGCGTTTTACTTTATTTCTATGCTACACCTGGCAGACGGCATGGGC 26282
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QY 124 ATTTGGAATCAAACTTAGATGATAAAACAATAAATAATTAAGAGGAATTAACCAA 183
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DB 26283 GTTTGGCAGCAGTGTGGAGGAGTGCAACCTCAAGGAGCTGCAGAACTGCTAAAGCAA 26342
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QY 184 AATTTTGAGAAATTTGTCAAAGCTGAATCAGTTGATGAAGTTTCTGAAATTTTAAAGTCT 243
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DB 26343 AACTTGAAGGACCTATGGACGGCTTCAAGAGCGCTCCGTGGCCGCGCACCTGGCGGAC 26402
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QY 244 ATATTATTTCCCTGAACTCATGCTGCGAGCTTTTGTCTTAATTTTACCTGATTTTATAAAT 303
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DB 26403 ATCATTTTCCCGAAGCGCTGCTTAAACCTGCAACAGGGTCTGCAGACTTCACAGT 26462
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DB 26523 ACCTGCTGTGCACTTCTAGAGCTTTGTGCCAATTAAGTACCGCAATGCCCTCGCGG 26582
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QY 424 CTCTGAGTCATGTAATGTTTACTTAAATCTTGCTTCAATTTCTAGTAAACCA 473
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DB 26583 CTTTGGGCCACTGCTACCTTCTGACGTAGCACTACCTTGCCTACCA 26632
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RESULT 13

US-08-973-334-3
; Sequence 3, Application US/08973334
; Patent No. 6261551
; GENERAL INFORMATION:
; APPLICANT: Wilson, James M.
; APPLICANT: Fisher, Krishna J.
; APPLICANT: Gao, Guang-Ping
; TITLE OF INVENTION: Recombinant Adenovirus and Adeno-
; TITLE OF INVENTION: Associated Virus, Cell Lines, and
; TITLE OF INVENTION: Methods of Production and Use
; TITLE OF INVENTION: Thereof
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Howson and Howson
; STREET: Box 457, 321 No. 6261551ristown Road
; CITY: Spring House
; STATE: PA
; COUNTRY: USA
; ZIP: 19477
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release 1.0 Version 1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/973,334
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/462,014
; FILING DATE: 05-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/549,489
; FILING DATE: 27-OCT-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Bak, Mary E.
; REGISTRATION NUMBER: 31,215
; REFERENCE/DOCKET NUMBER: GNPVN012CIPUSA
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 540-9206
; TELEFAX: (215) 540-5818
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 35408 base pairs


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; APPLICATION NUMBER: US/08/549,489
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/462,014
; FILING DATE: 08-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Bak, Mary E.
; REGISTRATION NUMBER: 31,215
; REFERENCE/DOCKET NUMBER: GNPVN013
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 540-9206
; TELEFAX: (215) 540-5818
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 35408 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: other nucleic acid
; US-08-549-489-3

Query Match      14.5%; Score 72.4; DB 3; Length 35408;
Best Local Similarity 48.5%; Pred. No. 4.8e-08;
Matches 199; Conservative 0; Mismatches 211; Indels 0; Gaps 0;

QY      64  GACTATATCATAGATACAGTGTATTTATTTTGGTATTTTACGTGGCAGACAGCAATGGAT 123
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QY      124  ATTGGAATCAACATTAGATGATAAACAATAAATAATATTAATTAAGAGGAATTAACCAA 183
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Db      26688  GTTTGCAGCAGTGTCTGGAGGAGTGCAACCTCAAGGAGCTGCAGAAACTGCTAAAGCAA 26747
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Db      26748  AACTTGAAGGACCTATGGACGGCTTCAACGAGCGCTCCGTGGCCCGCACCTGGCGGAC 26807
QY      244  ATTATTTTCCCTGAATCTCATGCTGCGAGCTTTTGTCTTAATTTTACCTGATTTTATAAAT 303
Db      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      26808  ATCAATTTCCCGAAGCGCTGTATAAACCTGCAACAGGGTCTGCCAGACTTCACCAGT 26867
QY      304  CAGAGTCAGATATCAAAATTTTAGAAAATTATCTGCAATTAATCCGGCATACCGCAGTCA 363
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Db      26868  CAAAGCATGTTGCAGAACTTTAGGAACCTTATCTAGAGCGCTCAGGAATCTTGCCCGGC 26927
QY      364  ATTTGCCCTTATTAATCTTACATCTAATTCCTTTAACTTTCTAGAAAGTCAATCCAATA 423
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Db      26928  ACCGTGTGCACTTCCTAGCGACTTTGTGCCCAITTAAGTACCGCGAATGCCCTCCGCG 26987
QY      424  CTCTGGAGTCATGTAATGTTTACTAAATCTTGCTTTCATTTCTAGTAAACCA 473
Db      ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db      26988  CTTTGGGGCCACTGTCTACCTTCTGCAGTAGCCAACTACCTTGCCTACCA 27037
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 26, 2005, 09:26:00 ; Search time 499.821 Seconds
(without alignments)
6702.051 Million cell updates/sec

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Perfect score: 501
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Scoring table: IDENTITY_NUC
Gapop 10_0 , Gapext 1.0

Searched: 7400732 seqs, 3343137571 residues

Total number of hits satisfying chosen parameters: 14801464

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

- Database : Published Applications_NA.*
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 - 2: /cgn2_6/ptodata/2/pubpna/PT_NEW_PUB.seq.*
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 - 9: /cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq.*
 - 10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq.*
 - 11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq.*
 - 12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*
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 - 21: /cgn2_6/ptodata/2/pubpna/US10I_PUBCOMB.seq.*
 - 22: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
 - 23: /cgn2_6/ptodata/2/pubpna/US11A_PUBCOMB.seq.*
 - 24: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq.*
 - 25: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
 - 26: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	501	100.0	29544	9	US-09-464-767-1
2	501	100.0	32745	9	US-09-464-767-3
3	84	16.8	34125	9	US-09-782-378A-25
C 4	77.6	15.5	30365	17	US-10-384-136-4
C 5	77.6	15.5	31672	17	US-10-384-136-3
C 6	77.6	15.5	34616	17	US-10-384-136-2
7	77.6	15.5	35937	9	US-09-782-378A-3

8	77.6	15.5	35937	21	US-10-794-514A-731	Sequence 731, Appl
9	75	15.0	34446	9	US-09-871-212-1	Sequence 1, Appl
10	74.4	14.9	35759	19	US-10-645-883A-9	Sequence 9, Appl
11	74.4	14.9	37090	20	US-10-492-178-4	Sequence 4, Appl
12	72.4	14.5	31183	18	US-10-431-598-19	Sequence 19, Appl
13	72.4	14.5	31183	20	US-10-825-282-4	Sequence 4, Appl
14	72.4	14.5	31880	17	US-10-427-717-507	Sequence 507, Appl
15	72.4	14.5	31976	20	US-10-766-307A-1	Sequence 1, Appl
16	72.4	14.5	31976	20	US-10-766-307A-2	Sequence 2, Appl
17	72.4	14.5	32409	24	US-11-104-126-2	Sequence 2, Appl
18	72.4	14.5	32480	9	US-09-847-101B-23	Sequence 23, Appl
19	72.4	14.5	32480	10	US-09-482-682-27	Sequence 27, Appl
20	72.4	14.5	32681	24	US-11-104-126-1	Sequence 1, Appl
21	72.4	14.5	32798	16	US-10-424-638-1	Sequence 1, Appl
22	72.4	14.5	32802	20	US-10-766-307A-3	Sequence 3, Appl
23	72.4	14.5	33622	17	US-10-403-337-44	Sequence 44, Appl
24	72.4	14.5	33622	17	US-10-351-890-44	Sequence 44, Appl
25	72.4	14.5	33855	17	US-10-383-846-5	Sequence 5, Appl
26	72.4	14.5	34226	20	US-10-622-088-84	Sequence 84, Appl
27	72.4	14.5	34226	20	US-10-622-088-85	Sequence 85, Appl
28	72.4	14.5	34427	10	US-09-111-911-5	Sequence 15, Appl
29	72.4	14.5	34541	21	US-10-859-739-15	Sequence 15, Appl
30	72.4	14.5	34555	15	US-10-117-982-479	Sequence 479, Appl
31	72.4	14.5	34555	17	US-10-313-986-479	Sequence 479, Appl
32	72.4	14.5	34555	20	US-10-775-972-479	Sequence 479, Appl
33	72.4	14.5	34555	22	US-10-922-124-479	Sequence 1, Appl
34	72.4	14.5	34573	17	US-10-383-846-1	Sequence 87, Appl
35	72.4	14.5	34864	20	US-10-622-088-87	Sequence 43, Appl
36	72.4	14.5	35211	17	US-10-403-337-43	Sequence 43, Appl
37	72.4	14.5	35211	17	US-10-351-890-43	Sequence 3, Appl
38	72.4	14.5	35408	24	US-10-155-649-3	Sequence 1, Appl
39	72.4	14.5	35712	11	US-10-860-630-1	Sequence 2, Appl
40	72.4	14.5	35871	9	US-09-956-335-2	Sequence 2, Appl
41	72.4	14.5	35909	21	US-10-860-630-2	Sequence 43, Appl
42	72.4	14.5	35935	9	US-09-725-720-43	Sequence 4, Appl
43	72.4	14.5	35935	9	US-09-782-378A-4	Sequence 5, Appl
44	72.4	14.5	35935	9	US-09-782-378A-5	Sequence 43, Appl
45	72.4	14.5	35935	10	US-09-739-007-43	

ALIGNMENTS

RESULT 1
US-09-464-767-1
; Sequence 1, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Both, Gerald
; APPLICANT: Boyle, David
; APPLICANT: Vratil, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vect
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 29544
; TYPE: DNA
; ORGANISM: Ovine adenovirus
US-09-464-767-1

Query Match	100.0%	Score	501;	DB	9;	Length	29544;
Best Local Similarity	100.0%	Pred. No.	6.8e-94;				
Matches	501;	Conservative	0;	Mismatches	0;	Indels	0;
Gaps	0;						
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Qy	61	ATAGACTATATCATAGATACAGTGTATTATTTTGGTATTATTTACGTGGCAGACGACGATG	120				

Db	20061	ATAGACTATATCATAGATACAGTGTATTTATTTTGGTATTTACGTGGCAGACAGCAATG	20120
Qy	121	GATATTTGGGAATCAAAACATTTAGATGATAAACAATTAATTAATTAAGAGGAATTAAC	180
Db	20121	GATATTTGGGAATCAAAACATTTAGATGATAAACAATTAATTAATTAAGAGGAATTAAC	20180
Qy	181	CAAAATTTTGAGAAAAATTTGCAAAAGCTGAATCAGTTGATGAAAGTTTCTGAAAATTTTAAAG	240
Db	20181	CAAAATTTTGAGAAAAATTTGCAAAAGCTGAATCAGTTGATGAAAGTTTCTGAAAATTTTAAAG	20240
Qy	241	TCATATTTTCCCTGAACATCATGCTGGAGAGCTTTTGGTCTTAATTTTCTGATTTTATA	300
Db	20241	TCATATTTTCCCTGAACATCATGCTGGAGAGCTTTTGGTCTTAATTTTCTGATTTTATA	20300
Qy	301	AATCAGAGTCAGATATCAAAATTTTGAAGAACTTTATCTGCAATTAATCCGCGCATACGCGAG	360
Db	20301	AATCAGAGTCAGATATCAAAATTTTGAAGAACTTTATCTGCAATTAATCCGCGCATACGCGAG	20360
Qy	361	TCAATTTGCCCCCTATTACCTTCAGATCTAATTCCTTTAACTTTCTAGAAAAGTCATCCA	420
Db	20361	TCAATTTGCCCCCTATTACCTTCAGATCTAATTCCTTTAACTTTCTAGAAAAGTCATCCA	20420
Qy	421	ATACTCTGGAGTCATGTAATGTTACTAAATCTTCTGCTTCATTTCTAGTAAACCAAGGCAAT	480
Db	20421	ATACTCTGGAGTCATGTAATGTTACTAAATCTTCTGCTTCATTTCTAGTAAACCAAGGCAAT	20480
Qy	481	TATTTGCATGAACCCGAAAAA 501	
Db	20481	TATTTGCATGAACCCGAAAAA 20501	
RESULT 2			
US-09-464-767-3			
; Sequence 3, Application US/09464767			
; Patent No. US20020045249A1			
; GENERAL INFORMATION:			
; APPLICANT: Boyle, David			
; APPLICANT: Both, Gerald			
; APPLICANT: Vrati, Sudhansu			
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vec			
; FILE REFERENCE: 50179-073			
; CURRENT APPLICATION NUMBER: US/09/464,767			
; CURRENT FILING DATE: 1999-12-16			
; NUMBER OF SEQ ID NOS: 3			
; SOFTWARE: PatentIn version 3.0			
; SEQ ID NO 3			
; LENGTH: 32745			
; TYPE: DNA			
; ORGANISM: synthetic construct			
US-09-464-767-3			
Query Match 100.0%; Score 501; DB 9; Length 32745;			
Best Local Similarity 100.0%; Pred. No. 7.1e-94;			
Matches 501; Conservative 0; Mismatches 0; Indels 0; Gaps 0;			
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Qy	61	ATAGACTATATCATAGATACAGTGTATTTATTTTGGTATTTTACGTGGCAGACAGCAATG	120
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Qy	121	GATATTTGGGAATCAAAACATTTAGATGATAAACAATTAATTAATTAAGAGGAATTAAC	180
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Qy	181	CAAAATTTTGAGAAAAATTTGCAAAAGCTGAATCAGTTGATGAAAGTTTCTGAAAATTTTAAAG	240
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Qy	241	TCATATTTTCCCTGAACATCATGCTGGAGAGCTTTTGGTCTTAATTTTCTGATTTTATA	300

Db	20240	TCATATTTTCCCTGAACATCATGCTGGAGAGCTTTTGGTCTTAATTTTCTGATTTTATA	20299
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Qy	421	ATACTCTGGAGTCATGTAATGTTACTAAATCTTCTGCTTCATTTCTAGTAAACCAAGGCAAT	480
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Qy	481	TATTTGCATGAACCCGAAAAA 501	
Db	20480	TATTTGCATGAACCCGAAAAA 20500	
RESULT 3			
US-09-782-378A-25			
; Sequence 25, Application US/09782378A			
; Patent No. US20020102731A1			
; GENERAL INFORMATION:			
; APPLICANT: Hearing, Patrick			
; APPLICANT: Bahou, Wadie			
; APPLICANT: Sandalon, Ziv			
; APPLICANT: Gnatenko, Dmitri			
; TITLE OF INVENTION: Adenoviral Vectors			
; FILE REFERENCE: STONYB-04970			
; CURRENT APPLICATION NUMBER: US/09/782,378A			
; CURRENT FILING DATE: 2001-02-12			
; PRIOR APPLICATION NUMBER: 60/237,747			
; PRIOR FILING DATE: 2000-10-02			
; NUMBER OF SEQ ID NOS: 27			
; SOFTWARE: PatentIn version 3.0			
; SEQ ID NO 25			
; LENGTH: 34125			
; TYPE: DNA			
; ORGANISM: Human adenovirus type 12			
US-09-782-378A-25			
Query Match 16.8%; Score 84; DB 9; Length 34125;			
Best Local Similarity 49.3%; Pred. No. 4.4e-07;			
Matches 219; Conservative 0; Mismatches 225; Indels 0; Gaps 0;			
Qy	30	GCAACATACACAAATTTGGCAACCGAAGCAATGGATATTTGGAATCAAAACATTAGATGATAA	89
Db	23852	GCTACACTCAACACTACGCGATGAAGCAGCAGAGATTACGTGCGAGACTGCAATTTACCT	23911
Qy	90	ATTTTGGTATTTTACGTGGCAGACAGCAATGGATATTTGGAATCAAAACATTAGATGATAA	149
Db	23912	TTTCTGTTTACATCTCTGGCAAACTGGGATGGGTGTTGGCAGCAATGCTTGGAGNAAA	23971
Qy	150	AACAATAAATATAATTTAAAGAGGAATTTAAACCAAAATTTTGAGAAAAATTTGCAAAAGCTGA	209
Db	23972	AAACCTTCGAGAACTAAACAACTGTTAGACAGACGACATAAAATCCCTATGGACCGGTTT	24031
Qy	210	ATCAGTTGATGAAGTTTCTGAAATTTTAAAGTCTATTATTTTCCCTGAACTCATGTGCG	269
Db	24032	TGACGAAACGAGTAGCTGCGAGCTAGCTGCATATAATTTTCCGAGAAAGGTTAATGAT	24091
Qy	270	AGCTTTTGTCTTAAATTTTACCTGATTTTATAAATCAGAGTCAGATATCAAAATTTTGA	329
Db	24092	AACCTTGCAAAACGGCTTGCTGACTTTATGAGTCAAGATGCTGCGACAAATTTATCGCTC	24151
Qy	330	CTTTATCTGCAATTAATTCGCGCATACCGAGTCAATTTGCCCCCTATTACCTTCAGATCT	389
Db	24152	TTTTATATTAGAGCGTTCTGGGATGCTTCTAGCATGTGTTGTGCACTTCTCTTCAGATTT	24211
Qy	390	AATTCCTTTAACTTTCCCTAGAAAAGTCATCCAAATCTCTGAGGATCATGTATGTACTAAA	449
Db	24212	TGTGCTATATATTTTATAGAGAGTGCCCCCTCCCTGTGGAGCCACTGTCTACTTACTACG	24271

QY 450 TCTTGCTTCATTTCTAGTAAACA 473
Db 24272 ACTTGCTACTACTAGCTTACCA 24295

RESULT 4

US-10-384-136-4/c
; Sequence 4, Application US/10384136
; Publication No. US20040028653A1
; GENERAL INFORMATION:
; APPLICANT: Seed, Brian
; APPLICANT: Freeman, Mason Wright
; APPLICANT: Kovtun, Alexander
; APPLICANT: Murakawa, Masahiro
; APPLICANT: Park, Eun-Chung
; APPLICANT: Wang, Xinzhong
; TITLE OF INVENTION: Self-rearranging DNA vectors
; FILE REFERENCE: 00786/352004
; CURRENT FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/US01/27682
; PRIOR FILING DATE: 2001-09-07
; PRIOR APPLICATION NUMBER: US 60/231,053
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: US 60/246,904
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 30365
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: derived from Adenovirus
US-10-384-136-4

Query Match 15.5%; Score 77.6; DB 17; Length 30365;
Best Local Similarity 48.8%; Pred. No. 9e-06;
Matches 209; Conservative 0; Mismatches 219; Indels 0; Gaps 0;

QY 64 GACTATATCATAGATACAGTGTATTTTGGTATTTTACGTGGCAGACGAATGGAT 123
Db 6384 GACTAGCTCCGCGACTGCGTTTACTTTTCTGTCTACACCTGGCAACCGCCATGGGC 6325

QY 124 ATTTGGAATCAACATAGATGATAAACAATAATAATAATAAAGAGGAATTAACCAA 183
Db 6324 GTGTGGCAGCAATGCTGGAGAGCGCAACCTTAAGGAGCTGCAGAGCTGCTTAAGCAA 6265

QY 184 AATTTTGAGAAAATTTGTCAAAGCTGAATCAGTTGATGAAGTTTCTGAAAATTTTAAAGTCT 243
Db 6264 AACTTGAAGGACCTATGGAGCGCTTCAACGAGCGCTCGTGGCGCGCACCTGGCGGAC 6205

QY 244 ATTATTTTCCCTGAACTCATGTGGAGCTTTTGTCTTAATTTACCTGATTTTATAAT 303
Db 6204 ATTATCTTCCCGAAGCGCTGCTTAAACCCCTGCAACAGGGTCTGCAGACTTCACCACT 6145

QY 304 CAGAGTCAGATATCAAAATTTAGAACTTTATCTGCATTAATAATCCGGCATACCGAGTCA 363
Db 6144 CAAGCATGTTGCAAACTTTAGGAACCTTTATCTAGAGCGTTTCAAGAAATTCGCCCGCC 6085

QY 364 ATTTGCCCCCTATTACCTTCAGATCTAAATTCCTTTAACTTTCTAGAAAAGTCAATCAATA 423
Db 6084 ACCTGCTGTGGCTTCTTAGCGACTTTGTGCCCATTAAGTACCGTGAATGTCCTCGCGC 6025

QY 424 CTCTGGAGTCATGTAATGTACTAAATCTTGTCTCAATTTCTAGTAAACCAAGGCAATTAAT 483
Db 6024 CTTTGGGGTCACTGCTACCTTCTGCAGCTAGCAACTACCTTTGCTTACCACTCCGACATC 5965

QY 484 TTGCATGA 491
Db 5964 ATGGAAGA 5957

RESULT 5

US-10-384-136-3/c
; Sequence 3, Application US/10384136
; Publication No. US20040028653A1
; GENERAL INFORMATION:
; APPLICANT: Seed, Brian
; APPLICANT: Freeman, Mason Wright
; APPLICANT: Kovtun, Alexander
; APPLICANT: Murakawa, Masahiro
; APPLICANT: Park, Eun-Chung
; APPLICANT: Wang, Xinzhong
; TITLE OF INVENTION: Self-rearranging DNA vectors
; FILE REFERENCE: 00786/352004
; CURRENT FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/US01/27682
; PRIOR FILING DATE: 2001-09-07
; PRIOR APPLICATION NUMBER: US 60/231,053
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: US 60/246,904
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 31672
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: derived from Adenovirus
US-10-384-136-3

Query Match 15.5%; Score 77.6; DB 17; Length 31672;
Best Local Similarity 48.8%; Pred. No. 9.1e-06;
Matches 209; Conservative 0; Mismatches 219; Indels 0; Gaps 0;

QY 64 GACTATATCATAGATACAGTGTATTTTGGTATTTTACGTGGCAGACGAATGGAT 123
Db 7691 GACTAGCTCCGCGACTGCGTTTACTTTTCTGTCTACACCTGGCAACCGCCATGGGC 7632

QY 124 ATTTGGAATCAACATAGATGATAAACAATAATAATAATAAAGAGGAATTAACCAA 183
Db 7631 GTGTGGCAGCAATGCTGGAGAGCGCAACCTTAAGGAGCTGCAGAGCTGCTTAAGCAA 7572

QY 184 AATTTTGAGAAAATTTGTCAAAGCTGAATCAGTTGATGAAGTTTCTGAAAATTTTAAAGTCT 243
Db 7571 AACTTGAAGGACCTATGGAGCGCTTCAACGAGCGCTCGTGGCGCGCACCTGGCGGAC 7512

QY 244 ATTATTTTCCCTGAACTCATGTGGAGCTTTTGTCTTAATTTACCTGATTTTATAAT 303
Db 7511 ATTATCTTCCCGAAGCGCTGCTTAAACCCCTGCAACAGGGTCTGCAGACTTCACCACT 7452

QY 304 CAGAGTCAGATATCAAAATTTAGAACTTTATCTGCATTAATAATCCGGCATACCGAGTCA 363
Db 7451 CAAGCATGTTGCAAACTTTAGGAACCTTTATCTAGAGCGTTTCAAGAAATTCGCCCGCC 7392

QY 364 ATTTGCCCCCTATTACCTTCAGATCTAAATTCCTTTAACTTTCTAGAAAAGTCAATCAATA 423
Db 7391 ACCTGCTGTGGCTTCTTAGCGACTTTGTGCCCATTAAGTACCGTGAATGTCCTCGCGC 7332

QY 424 CTCTGGAGTCATGTAATGTACTAAATCTTGTCTCAATTTCTAGTAAACCAAGGCAATTAAT 483
Db 7331 CTTTGGGGTCACTGCTACCTTCTGCAGCTAGCAACTACCTTTGCTTACCACTCCGACATC 7272

QY 484 TTGCATGA 491
Db 7271 ATGGAAGA 7264

RESULT 6

US-10-384-136-2/c
; Sequence 2, Application US/10384136
; Publication No. US20040028653A1

```
; GENERAL INFORMATION:
; APPLICANT: Seed, Brian
; APPLICANT: Freeman, Mason Wright
; APPLICANT: Kovtun, Alexander
; APPLICANT: Murakawa, Masahiro
; APPLICANT: Park, Eun-Chung
; APPLICANT: Wang, Xinzhong
; TITLE OF INVENTION: Self-rearranging DNA vectors
; FILE REFERENCE: 00786/352004
; CURRENT APPLICATION NUMBER: US/10/384,136
; CURRENT FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/US01/27682
; PRIOR FILING DATE: 2001-09-07
; PRIOR APPLICATION NUMBER: US 60/231,053
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: US 60/246,904
; PRIOR FILING DATE: 2000-11-08
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 34616
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: derived from Adenovirus
US-10-384-136-2

Query Match      15.5%; Score 77.6; DB 17; Length 34616;
Best Local Similarity 48.8%; Pred. No. 9.4e-06;
Matches 209; Conservative 0; Mismatches 219; Indels 0; Gaps 0;

QY      64  GACTATATCATAGATACAGTGTTATTTTGGTATTTTACGTGGCAGACGCAATGGAT 123
Db      10635  GACTAGTCGCGAGCTGCGTTTACTTATTTCTGTGTACACCTGGCAGGCGCATGGGC 10576

QY      124  ATTGGAATCAAACTTTAGATGATAAAACAATAATAATAATAAAGAGGAATTAACCAA 183
Db      10575  GTGTGGCAGCAATGCCCTGGAGGAGCGCAACCTAAAGGAGCTGCAGAACTGCTAAAGCAA 10516

QY      184  AATTTTGAGAAATTTGTCAAAGCTGAATCAGTTGATGAAGTTTCTGAAATTTTAAAGTCT 243
Db      10515  AACTTGAAGACCTTATGAGCGGCTTCAACGAGCGCTCCGCGCGCACTTGGCGGAC 10456

QY      244  ATTATTTTCCCTGAACCTCATGCTGCGAGCTTTTGTCTTAATTTACTGTATTTTATAAAT 303
Db      10455  ATTATCTTCCCGAAGCGCTGCTTAAACCTGCAACAGGCTGCGCAGACTTCCACAGT 10396

QY      304  CAGAGTCAGATATCAAACTTTAGAACTTTATCTGCATTTAAATCCCGGCATACCGCAGTCA 363
Db      10395  CAAAGCATGTTGCAAACTTTAGAACTTTATCTGAGAGGTTTCAGAAATTTCTGCCGCC 10336

QY      364  ATTGCCCCCTATACCTTCAGATCTAATTTCTTAACTTTCTAGAAAGTCATCCAATA 423
Db      10335  ACCTGTGTGCGCTTCCCTAGCGACTTTGTGCCCATTAAGTACCGTGAATGCCCTCCGCG 10276

QY      424  CTCTGGAGTCATGTAATGTTACTAAATCTTGTCTTCAATTTCTAGTAAACCAAGGCAATTAT 483
Db      10275  CTTTGGGTCACGTACTCTTCTGCAGCTAGCCAACTACCTTGCCTACCACTCCGACATC 10216

QY      484  TTGCATGA 491
Db      10215  ATGGAAGA 10208

RESULT 7
US-09-782-378A-3
; Sequence 3, Application US/09782378A
; Patent No. US20020102731A1
; GENERAL INFORMATION:
; APPLICANT: Hearing, Patrick
; APPLICANT: Bahou, Wadie
; APPLICANT: Sandalon, Ziv
; APPLICANT: Gnatenko, Dmitri

; TITLE OF INVENTION: Adenoviral Vectors
; FILE REFERENCE: STONYB-04970
; CURRENT APPLICATION NUMBER: US/09/782,378A
; CURRENT FILING DATE: 2001-02-12
; PRIOR APPLICATION NUMBER: 60/237,747
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 35937
; TYPE: DNA
; ORGANISM: Human adeno-associated virus 2
US-09-782-378A-3

Query Match      15.5%; Score 77.6; DB 9; Length 35937;
Best Local Similarity 48.8%; Pred. No. 9.6e-06;
Matches 209; Conservative 0; Mismatches 219; Indels 0; Gaps 0;

QY      64  GACTATATCATAGATACAGTGTTATTTTGGTATTTTACGTGGCAGACGCAATGGAT 123
Db      25347  GACTAGTCGCGAGCTGCGTTTACTTATTTCTGTGTACACCTGGCAACGCGCATGGGC 25406

QY      124  ATTGGAATCAAACTTAGATGATAAAACAATAATAATAATAAAGAGGAATTAACCAA 183
Db      25407  GTGTGGCAGCAATGCCCTGGAGGAGCGCAACCTAAAGGAGCTGCAGAACTGCTAAAGCAA 25466

QY      184  AATTTTGAGAAATTTGTCAAAGCTGAATCAGTTGATGAAGTTTCTGAAATTTTAAAGTCT 243
Db      25467  AACTTGAAGACCTTATGAGCGGCTTCAACGAGCGCTCCGTGGCGCGCACTTGGCGGAC 25526

QY      244  ATTATTTTCCCTGAACCTCATGCTGCGAGCTTTTGTCTTAATTTACTGTATTTTATAAAT 303
Db      25527  ATTATCTTCCCGAAGCGCTGCTTAAACCCCTGCAACAGGCTGTCGACAGCTTCCACAGT 25586

QY      304  CAGAGTCAGATATCAAACTTTAGAACTTTATCTGCATTTAAATCCCGCATACCGCAGTCA 363
Db      25587  CAAAGCATGTTGCAAACTTTAGAACTTTATCTGAGAGGTTTCAGAAATTTCTGCCGCC 25646

QY      364  ATTGCCCCCTATACCTTCAGATCTAATTTCTTAACTTTCTAGAAAGTCATCCAATA 423
Db      25647  ACCTGTGTGCGCTTCCCTAGCGACTTTGTGCCCATTAAGTACCGTGAATGCCCTCCGCG 25706

QY      424  CTCTGGAGTCATGTAATGTTACTTAAATCTTGTCTTCAATTTCTAGTAAACCAAGGCAATTAT 483
Db      25707  CTTTGGGTCACGTCTGCTACCTTCTGCAGCTAGCCAACTACCTTGCCTACCACTCCGACATC 25766

QY      484  TTGCATGA 491
Db      25767  ATGGAAGA 25774

RESULT 8
US-10-794-514A-731
; Sequence 731, Application US/10794514A
; Publication No. US2005011234A1
; GENERAL INFORMATION:
; APPLICANT: Graddis, Thomas
; APPLICANT: Laus, Reiner
; APPLICANT: Diegel, Michael
; APPLICANT: Vidovic, Damir
; TITLE OF INVENTION: Compositions and Methods Employing Alternative
; TITLE OF INVENTION: Reading Frame Polypeptides for the Treatment of
; TITLE OF INVENTION: Cancer and Infectious Disease
; FILE REFERENCE: 11311.1003U
; CURRENT APPLICATION NUMBER: US/10/794,514A
; CURRENT FILING DATE: 2004-03-05
; NUMBER OF SEQ ID NOS: 733
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 731
; LENGTH: 35937
; TYPE: DNA
; ORGANISM: Adeno Virus
US-10-794-514A-731
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Query Match 15.5%; Score 77.6; DB 21; Length 35937;
Best Local Similarity 48.8%; Pred. No. 9.6e-06;
Matches 209; Conservative 0; Mismatches 219; Indels 0; Gaps 0;

QY 64 GACTATATCATAGATACAGTGATTTATTTTGGTATTTTACGTGGGAGAGCAAGCAATGGAT 123
DB 25347 GACTAGTCGGGACTGGGTTTACTTTTCTGTCTACACCTGGCAACGGCCATGGGC 25406
QY 124 ATTTGGAATCAAACTTAGATGATAAAACAATAAATATAATTAAGAGGAAATTAACCAA 183
DB 25407 GTGTGGCAGCAATGCGCTGGAGGAGCGCAACCTAAAGGAGCTGCAGAACTGCTAAAGCAA 25466
QY 184 AATTTTGAGAAATTTGTAAGCTGAATCAGTTGATGAAGTTTCTGAAATTTTAAAGTCT 243
DB 25467 AACTTGAAGGACCTATGGAAGCGGCTTCAAGGAGCGCTCGGTGGCCCGCACCTGGCGGAC 25526
QY 244 ATTTATTTTCCCTGAACCTCATGCTGGCGAGCTTTTGTCTTAATTTTACCTGATTTTATAAT 303
DB 25527 ATTAATCTTCCCGAGCGCTGCTTAAACCCGTCGAACAGGGTCTGCAGACTTCACCAAT 25586
QY 304 CAGAGTCAGATATCAAAATTTAGAAACTTTTATCTGCAATTAATCCCGGCATACCGCAGTCA 363
DB 25587 CAAAGCATGTGCAAAACTTTAGAACTTTATCTAGAGGTTTCAGGAATTCGCGCCGC 25646
QY 364 ATTTGCCCCCTATTACTCTCAGATCTAAATTCCTTTAACTTTCTAGAAAGTCAATCAATA 423
DB 25647 ACCTGCTGCGGCTTCTAGCGCACTTTGTGCCCATTAAGTACCGTGAATGCCCTCGCGCG 25706
QY 424 CTCTGGAGTCATGTAATGTACTAAATCTGCTTCAATTTCTAGTAACCAAGGCAATTAAT 483
DB 25707 CTTTGGGGTCACTGCTACCTTCTGCAGCTAGCAACTACCTTGCCTTACCCTCCGACATC 25766
QY 484 TTGCGATGA 491
DB 25767 ATGGAAGA 25774

RESULT 9
US-09-871-212-1
; Sequence 1, Application US/09871212
; Patent No. US20020034519A1
; GENERAL INFORMATION:
; APPLICANT: Tikoo, Suresh
; APPLICANT: Babiuk, Lorne
; APPLICANT: Zhang, Linong
; APPLICANT: Wu, Qiaohua
; TITLE OF INVENTION: MODIFIED BOVINE ADENOVIRUS HAVING
; FILE REFERENCE: 293102003000
; CURRENT APPLICATION NUMBER: US/09/871,212
; PRIOR FILING DATE: 2001-05-31
; PRIOR APPLICATION NUMBER: 60/208,678
; PRIOR FILING DATE: 2000-05-31
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 34446
; TYPE: DNA
; ORGANISM: Bovine Adenovirus 3
US-09-871-212-1

Query Match 15.0%; Score 75; DB 9; Length 34446;
Best Local Similarity 49.9%; Pred. No. 3.3e-05;
Matches 189; Conservative 0; Mismatches 190; Indels 0; Gaps 0;

QY 51 CGAAGCAAAATAGACTATATCATAGATACAGTGATTTTATTTTGGTATTTTACGTGGCA 110
DB 23916 CGAAGACCGCAGAGACTATACATCAGACACAGCTCTTCTCTTCTGTTTATATTGGCA 23975
QY 111 GACAGCAATGGATTTTGGAAATCAACATTTAGATGAATAAACAATAAATAATTAAGCA 170
DB 23976 GACTGCCATGGGCATTTGGCAGCGTCTCGAGACTGAGAAGCTGAAGAAGAACTTGAAGA 24035

QY 171 GGAATTAACCAAAATTTTGAGAAAATTTGAGAAATTTGTAAGCTGAATCAGTTGATGAAGTTTCTGA 230
DB 24036 GCTCTTGTGAAAAAAGCAAGAGGGCTCTCTGGACGGGCTTTCGACGAGCTCACCATAGCTCA 24095
QY 231 AATTTTAAAGTCTATTATTTCCTCCCTGAACTCATGCTGCGAGCTTTTGTCTTAATTTACC 290
DB 24096 AGACCTAGCTGACATAGTGTTCCTCCCAAAATCTTTCGACACCTTGCAGACGGGCTGCC 24155
QY 291 TGATTTTAAATATCAGAGTCAGATATCAAAATTTTAAAGAACTTTATCTGCAATTAATTCGG 350
DB 24156 AGACCTTACATCCAGAGTCTCCTTCACAACTTTTCGCTCCTTCATTTTCGAACGCTCGG 24215
QY 351 CATACGGCAGTCAATTTGCCCCCTATTACCTTCAGATCTAAATTCCTTTTAACTTTCTCTAGA 410
DB 24216 CATCTTACCGCATGTGCAATGCAATGCCACCGACTTCATCCCTTATCAGCTACCGGGA 24275
QY 411 AAGTCATCAATACTCTGG 429
DB 24276 GTGCCCTCCAACCTTTCTGG 24294

RESULT 10
US-10-645-883A-9
; Sequence 9, Application US/10645883A
; Publication No. US20040185555A1
; GENERAL INFORMATION:
; APPLICANT: Emini, Emilio A.
; APPLICANT: Shiver, John W.
; APPLICANT: Bett, Andrew J.
; APPLICANT: Casimiro, Danilo R.
; APPLICANT: Chaastain, Michael
; APPLICANT: Kaslow, David C.
; APPLICANT: Morsy, Manal
; TITLE OF INVENTION: ADENOVIRUS SEROTYPE 24 VECTORS, NUCLEIC
; TITLE OF INVENTION: ACIDS AND VIRUS PRODUCED THEREBY
; FILE REFERENCE: 21366
; CURRENT APPLICATION NUMBER: US/10/645,883A
; CURRENT FILING DATE: 2003-08-21
; PRIOR APPLICATION NUMBER: 60/455,312
; PRIOR FILING DATE: 2003-03-17
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 35759
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Ad6 genome
; FEATURE:
; OTHER INFORMATION: n = a, t, c or g
US-10-645-883A-9

Query Match 14.9%; Score 74.4; DB 19; Length 35759;
Best Local Similarity 48.4%; Pred. No. 4.4e-05;
Matches 207; Conservative 0; Mismatches 221; Indels 0; Gaps 0;

QY 64 GACTATATCATAGATACAGTGATTTTATTTTGGTATTTTACGTGGGAGAGCAAGCAATGGAT 123
DB 25332 GACTAGCTCCGAGCTGGGTTTACTTTTCTGTCTACACCTGGCAACGGCCATGGGC 25391
QY 124 ATTTGGAATCAAACTTAGATGATAAAACAATAAATATAATTAAGAGGAAATTAACCAA 183
DB 25392 GTGTGGCAGCAGTGGCTGGAGGAGCGCAACCTGAAGGAGCTGCAGAACTGCTAAAGCAA 25451
QY 184 AATTTTGAGAAATTTGTCAGAGCTGAATCAGTTGATGAAGTTTCTGAAATTTTAAAGTCT 243
DB 25452 AACTTGAAGGACCTATGAGCGGCTTCAACGAGCGCTCCGTGGCCGCGCACCTGGCGGAC 25511
QY 244 ATTTATTTTCCCTGAACTCATGCTGGAGCTTTTGTCTTAATTTTACCTGATTTTATAAT 303
DB 25512 ATTAATCTTCCCGAAGCGCTGCTTAAACCCCTGCAACAGGGTCTGCCAGACTTCACCAAT 25571


```
; TITLE OF INVENTION: VIRAL VECTORS ENCODING APOPTOSIS-INDUCING PROTEINS AND
; FILE REFERENCE: 3921-1-1-1
; CURRENT APPLICATION NUMBER: US/10/825,282
; PRIOR FILING DATE: 2004-04-14
; PRIOR APPLICATION NUMBER: US/09/456,357
; PRIOR FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: 60/134,416
; PRIOR FILING DATE: 1999-05-17
; PRIOR APPLICATION NUMBER: 09/087,195
; PRIOR FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: 08/378,507
; PRIOR FILING DATE: 1995-01-26
; PRIOR APPLICATION NUMBER: 08/250,478
; PRIOR FILING DATE: 1994-05-27
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
; LENGTH: 31183
; TYPE: DNA
; ORGANISM: adenovirus
US-10-825-282-4

Query Match      14.5%; Score 72.4; DB 20; Length 31183;
Best Local Similarity 48.5%; Pred. No. 0.00011;
Matches 199; Conservative 0; Mismatches 211; Indels 0; Gaps 0;

QY 64 GACTATATCATAGATACAGTGTATTTTGGTATTTTACGTTGGGAGAGCAAGCAATGGAT 123
DB 22426 GACTAGTCCGCGACTGCGTTTACTTATTTCTATGCTACACCTGGGAGCGCATGGGC 22485

QY 124 ATTTGGAATCAACATATAGATGATATAAACAATAAATATAATTAAGAGGAATTAACACCAA 183
DB 22486 GTTTGGCAGCAGTGTCTGGAGGAGTGCAACCTCAAGGAGCTGCAGAAACTGCTTAAGCAA 22545

QY 184 AATTTTGAGAAATTTGTCAAAGCTGAATTCAGTTGATGAAGTTTCTGAAATTTTAAAGTCT 243
DB 22546 AACTTGAAGGACCTATGGAGCGCTTCAACGAGCGCTCCGTGGCGCGCACCTGGCGGAC 22605

QY 244 ATTTATTTCCCTGAACCTCATGCTGCGAGCTTTTGTCTTAATTTTACCTGATTTTATAAAT 303
DB 22606 ATCATTTTCCCGAAGCGCTGCTTAAACCCCTGCAACAGGGTCTGCAGACTTCACAGT 22665

QY 304 CAGAGTCAGATATCAAAATTTAGAACTTTATCTGCAATTAATTCGGCATACCGCAGTCA 363
DB 22666 CAAAGCATGTTGCAGAACTTTAGGAACCTTATCTAGAGCGCTCAGGAATCTTGGCCGCC 22725

QY 364 ATTTGCCCCCTATTACCTTCAGATCTAATTCCTTTAACTTTCCTAGAAAAGTCATCAATA 423
DB 22726 ACCTGCTGTGCACCTTCTAGCGACTTTGTGCCCAATTAAGTACCGCGAATGCCCTCGCG 22785

QY 424 CTCTGAGTCATGTAATGTTTACTAAATCTTGCTTCAATTTCTAGTAAACCA 473
DB 22786 CTTTGGGGCCACTGCTACCTCTGCGAGCTAGCCAACTACCTTGCCTTACCA 22835

RESULT 14
US-10-427-717-507
; Sequence 507, Application US/10427717
; Publication No. US20040018204A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Java, No. US20040018204A1alie
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR WT1
; FILE REFERENCE: 210121.465C11
; CURRENT APPLICATION NUMBER: US/10/427,717
; PRIOR FILING DATE: 2003-04-30
; NUMBER OF SEQ ID NOS: 508
; SOFTWARE: PastSeq for Windows Version 3.0
; SEQ ID NO 507
; LENGTH: 31880
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-427-717-507

Query Match      14.5%; Score 72.4; DB 17; Length 31880;
Best Local Similarity 48.5%; Pred. No. 0.00011;
Matches 199; Conservative 0; Mismatches 211; Indels 0; Gaps 0;

QY 64 GACTATATCATAGATACAGTGTATTTTGGTATTTTACGTTGGGAGAGCAAGCAATGGAT 123
DB 23881 GACTAGTCCGCGACTGCGTTTACTTATTTCTATGCTACACCTGGGAGCGCATGGGC 23940

QY 124 ATTTGGAATCAACATATAGATGATATAAACAATAAATATAATTAAGAGGAATTAACACCAA 183
DB 23941 GTTTGGCAGCAGTGTCTGGAGGAGTGCAACCTCAAGGAGCTGCAGAAACTGCTTAAGCAA 24000

QY 184 AATTTTGAGAAATTTGTCAAAGCTGAATTCAGTTGATGAAGTTTCTGAAATTTTAAAGTCT 243
DB 24001 AACTTGAAGGACCTATGGAGCGCTTCAACGAGCGCTCCGTGGCGCGCACCTGGCGGAC 24060

QY 244 ATTTATTTCCCTGAACCTCATGCTGCGAGCTTTTGTCTTAATTTTACCTGATTTTATAAAT 303
DB 24061 ATCATTTTCCCGAAGCGCTGCTTAAACCCCTGCAACAGGGTCTGCAGACTTCACAGT 24120

QY 304 CAGAGTCAGATATCAAAATTTAGAACTTTATCTGCAATTAATTCGGCATACCGCAGTCA 363
DB 24121 CAAAGCATGTTGCAGAACTTTAGGAACCTTATCTCTAGAGCGCTCAGGAATCTTGGCCGCC 24180

QY 364 ATTTGCCCCCTATTACCTTCAGATCTAATTCCTTTAACTTTCCTAGAAAAGTCATCAATA 423
DB 24181 ACCTGCTGTGCACCTTCTAGCGACTTTGTGCCCAATTAAGTACCGCGAATGCCCTCGCG 24240

QY 424 CTCTGAGTCATGTAATGTTTACTAAATCTTGCTTCAATTTCTAGTAAACCA 473
DB 24241 CTTTGGGGCCACTGCTACCTCTGCGAGCTAGCCAACTACCTTGCCTTACCA 24290

RESULT 15
US-10-766-307A-1
; Sequence 1, Application US/10766307A
; Publication No. US20040202663A1
; GENERAL INFORMATION:
; APPLICANT: Shanghai Sunway Biotech Co., Ltd.
; TITLE OF INVENTION: Treatment for Metastatic Cancer
; FILE REFERENCE: 121300.00003
; CURRENT APPLICATION NUMBER: US/10/766,307A
; CURRENT FILING DATE: 2004-01-28
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 31976
; TYPE: DNA
; ORGANISM: Adenovirus
US-10-766-307A-1

Query Match      14.5%; Score 72.4; DB 20; Length 31976;
Best Local Similarity 48.5%; Pred. No. 0.00011;
Matches 199; Conservative 0; Mismatches 211; Indels 0; Gaps 0;

QY 64 GACTATATCATAGATACAGTGTATTTTGGTATTTTACGTTGGGAGAGCAAGCAATGGAT 123
DB 24474 GACTAGTCCGCGACTGCGTTTACTTATTTCTATGCTACACCTGGGAGCGCATGGGC 24533

QY 124 ATTTGGAATCAACATATAGATGATATAAACAATAAATATAATTAAGAGGAATTAACACCAA 183
DB 24534 GTTTGGCAGCAGTGTCTGGAGGAGTGCAACCTCAAGGAGCTGCAGAAACTGCTTAAGCAA 24593

QY 184 AATTTTGAGAAATTTGTCAAAGCTGAATTCAGTTGATGAAGTTTCTGAAATTTTAAAGTCT 243
DB 24594 AACTTGAAGGACCTATGGAGCGCTTCAACGAGCGCTCCGTGGCGCGCACCTGGCGGAC 24653

QY 244 ATTTATTTCCCTGAACCTCATGCTGGAGGCTTTTGTCTTAATTTTACCTGATTTTATAAAT 303
```

Db	24654	ATCATTTTCCCGAAGCGCTGCTTAAACCCTGCAACAGGGTCTGCCAGACTTCACCAAT	24713
Qy	304	CAGAGTCAGATATCAAAATTTTAGAAACTTTATCTGCATTAAATCCGGCATACCGCAGTCA	363
Db	24714	CAAAGCATGTTGCAGAACTTTAGGAACTTTATCCTAGAGCGCTCAGGAATCTTGCCCGCC	24773
Qy	364	ATTTGCCCGCTATTAGCTTCAGATCTAAATTCCTTTAACTTTCCTAGAAAAGTCATCCAATA	423
Db	24774	ACCTGTGTGCACCTTCCTAGCGACTTTGTGCCATTANGTACCGCGAATGCCCTCCGCCG	24833
Qy	424	CTCTGAGTCATGTAANGTTACTAAATCTTGCTTCATTTTCTAGTAAACCA	473
Db	24834	CTTTGGGGCCACTGCTACCTTCTGCAGCTAGCCAACTACCTTGCCTACCA	24883

Search completed: September 26, 2005, 17:25:20
Job time : 502.821 secs

Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 582 TTTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAATCATGTCATAGCTGTTTC 641
Db 1501 TTTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAATCATGTCATAGCTGTTTC 1560

Qy 642 CTGTGTGAAATTTGTTATCCGCTCAAAATTCACACAACATACGAGCCGGAAGCATATAAGT 701
Db 1561 CTGTGTGAAATTTGTTATCCGCTCAAAATTCACACAACATACGAGCCGGAAGCATATAAGT 1620

Qy 702 GTAAAGCCTGGGTCCTTAATAGTGAGCTAACTCACATTAATTGCGTTGCGCTCACTGC 761
Db 1621 GTAAAGCCTGGGTCCTTAATAGTGAGCTAACTCACATTAATTGCGTTGCGCTCACTGC 1680

Qy 762 CCGCTTTCCAGTCGGGAACCTGTCGCCAGCTGTCGCCAGCTTAATGAATCGGCCAAACGCGCG 821
Db 1681 CCGCTTTCCAGTCGGGAACCTGTCGCCAGCTGTCGCCAGCTTAATGAATCGGCCAAACGCGCG 1740

Qy 822 GGAGAGCGGTTTGGGTATTTGGGGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCT 881
Db 1741 GGAGAGCGGTTTGGGTATTTGGGGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCT 1800

Qy 882 CGGTTCGTTGCGCTGCGGAGCGGTATCAGTCACTCAAAAGCGGTAATACGGTTATCCA 941
Db 1801 CGGTTCGTTGCGCTGCGGAGCGGTATCAGTCACTCAAAAGCGGTAATACGGTTATCCA 1860

Qy 942 CAGAAATCAGGGGATAACGACGGAAGACATGTGACAAAGGCGCCAGCAAGGCCAGGA 1001
Db 1861 CAGAAATCAGGGGATAACGACGGAAGACATGTGACAAAGGCGCCAGCAAGGCCAGGA 1920

RESULT 2

US-09-503-222-6
; Sequence 6, Application US/09503222
; Patent No. 6265548
; GENERAL INFORMATION:
; APPLICANT: Pavliakis, George N.
; APPLICANT: Gaitanaris, George A.
; APPLICANT: Stauber, Roland H.
; APPLICANT: Vournakis, John N.
; TITLE OF INVENTION: Mutant Aequorea victoria Fluorescent
; TITLE OF INVENTION: Proteins Having Increased Cellular Fluorescence
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/503,222
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/646,538
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Weber, Kenneth A.
; REGISTRATION NUMBER: 31,677
; REFERENCE/DOCKET NUMBER: 015280-249000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3699 base pairs
; TYPE: nucleic acid

STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; FEATURE:
; NAME/KEY: -
; LOCATION: 1..3699
; OTHER INFORMATION: /note= "pbsgfp"
US-09-503-222-6

Query Match 42.0%; Score 420; DB 3; Length 3699;
Best Local Similarity 100.0%; Pred. No. 2.2e-155;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 582 TTTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAATCATGTCATAGCTGTTTC 641
Db 1501 TTTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAATCATGTCATAGCTGTTTC 1560

Qy 642 CTGTGTGAAATTTGTTATCCGCTCAAAATTCACACAACATACGAGCCGGAAGCATATAAGT 701
Db 1561 CTGTGTGAAATTTGTTATCCGCTCAAAATTCACACAACATACGAGCCGGAAGCATATAAGT 1620

Qy 702 GTAAAGCCTGGGTCCTTAATAGTGAGCTAACTCACATTAATTGCGTTGCGCTCACTGC 761
Db 1621 GTAAAGCCTGGGTCCTTAATAGTGAGCTAACTCACATTAATTGCGTTGCGCTCACTGC 1680

Qy 762 CCGCTTTCCAGTCGGGAACCTGTCGCCAGCTGTCGCCAGCTTAATGAATCGGCCAAACGCGCG 821
Db 1681 CCGCTTTCCAGTCGGGAACCTGTCGCCAGCTGTCGCCAGCTTAATGAATCGGCCAAACGCGCG 1740

Qy 822 GGAGAGCGGTTTGGGTATTTGGGGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCT 881
Db 1741 GGAGAGCGGTTTGGGTATTTGGGGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCT 1800

Qy 882 CGGTTCGTTGCGCTGCGGAGCGGTATCAGTCACTCAAAAGCGGTAATACGGTTATCCA 941
Db 1801 CGGTTCGTTGCGCTGCGGAGCGGTATCAGTCACTCAAAAGCGGTAATACGGTTATCCA 1860

Qy 942 CAGAAATCAGGGGATAACGACGGAAGACATGTGACAAAGGCGCCAGCAAGGCCAGGA 1001
Db 1861 CAGAAATCAGGGGATAACGACGGAAGACATGTGACAAAGGCGCCAGCAAGGCCAGGA 1920

RESULT 3

US-08-613-861-2/c
; Sequence 2, Application US/08613861
; Patent No. 5843770
; GENERAL INFORMATION:
; APPLICANT: Ill, Charles R. et al.
; TITLE OF INVENTION: Antisense Constructs Directed Against Viral Post-Transcription
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street, suite 510
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/613,861
; FILING DATE: 13-APR-1994
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/111,111
; FILING DATE: 12-DEC-1909
; ATTORNEY/AGENT INFORMATION:
; NAME: Attorney, Name Init
; REGISTRATION NUMBER: 000000
; REFERENCE/DOCKET NUMBER: oe

TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 4525 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-613-861-2

Query Match 42.0%; Score 420; DB 2; Length 4525;
Best Local Similarity 100.0%; Pred. No. 2.2e-155;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	582	TTTGTCCCTTTAGTGAGGGTTAATCCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC	641
Db	2199	TTTGTCCCTTTAGTGAGGGTTAATCCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC	2140
Qy	642	CTGTGTGAATTTGTTATCCGCTCAAAATCCACACACATACGAGCCGGAAGCATAAAGT	701
Db	2139	CTGTGTGAATTTGTTATCCGCTCAAAATCCACACACATACGAGCCGGAAGCATAAAGT	2080
Qy	702	GTAAGCTTGGGTGCTTAATGAGTGAGCTAACTACACATTAATTCGTTGCGCTCACTGC	761
Db	2079	GTAAGCTTGGGTGCTTAATGAGTGAGCTAACTACACATTAATTCGTTGCGCTCACTGC	2020
Qy	762	CCGCTTTCCAGTCGGGAACCTGTCGCCAGCTGCATTAAATGAATGCCCAACGCGCG	821
Db	2019	CCGCTTTCCAGTCGGGAACCTGTCGCCAGCTGCATTAAATGAATGCCCAACGCGCG	1960
Qy	822	GGAGAGCGGTTTGGTATTTGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCT	881
Db	1959	GGAGAGCGGTTTGGTATTTGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCT	1900
Qy	882	CGGTGCTTGGCTGCGGAGCGGTATCAGCTCACTCAAGCGGTAATACGGTTATCCA	941
Db	1899	CGGTGCTTGGCTGCGGAGCGGTATCAGCTCACTCAAGCGGTAATACGGTTATCCA	1840
Qy	942	CAGAAATCAGGGGATAACGACGGAAGACATGTGAGCAAAAGGCGCAGCAAGGCCAGGA	1001
Db	1839	CAGAAATCAGGGGATAACGACGGAAGACATGTGAGCAAAAGGCGCAGCAAGGCCAGGA	1780

RESULT 4
US-08-675-566-22
Sequence 22, Application US/08675566
Patent No. 6090393
GENERAL INFORMATION:
APPLICANT: Fischer, Laurent
TITLE OF INVENTION: PROMOTERS, EXPRESSION CASSETTES,
TITLE OF INVENTION: RECOMBINANT VIRUSES, METHODS FOR MAKING, AND USES THEREOF
NUMBER OF SEQUENCES: 120
CORRESPONDENCE ADDRESS:
ADDRESSEE: Curtis, Morris & Safford, P.C.
STREET: 530 Fifth Avenue
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/675,566
FILING DATE: 03-JUL-1996
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Frommer Esq., William S.
REGISTRATION NUMBER: 25,506

REFERENCE/DOCKET NUMBER: 454310-2890
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)840-3333
TELEFAX: (212)840-0712
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 4965 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-675-566-22

Query Match 42.0%; Score 420; DB 3; Length 4965;
Best Local Similarity 100.0%; Pred. No. 2.1e-155;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	582	TTTGTCCCTTTAGTGAGGGTTAATCCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC	641
Db	2070	TTTGTCCCTTTAGTGAGGGTTAATCCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC	2129
Qy	642	CTGTGTGAATTTGTTATCCGCTCAAAATCCACACACATACGAGCCGGAAGCATAAAGT	701
Db	2130	CTGTGTGAATTTGTTATCCGCTCAAAATCCACACACATACGAGCCGGAAGCATAAAGT	2189
Qy	702	GTAAGCTTGGGTGCTTAATGAGTGAGCTAACTACACATTAATTCGTTGCGCTCACTGC	761
Db	2190	GTAAGCTTGGGTGCTTAATGAGTGAGCTAACTACACATTAATTCGTTGCGCTCACTGC	2249
Qy	762	CCGCTTTCCAGTCGGGAACCTGTCGCCAGCTGCATTAAATGAATGCCCAACGCGCG	821
Db	2250	CCGCTTTCCAGTCGGGAACCTGTCGCCAGCTGCATTAAATGAATGCCCAACGCGCG	2309
Qy	822	GGAGAGCGGTTTGGTATTTGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCT	881
Db	2310	GGAGAGCGGTTTGGTATTTGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCT	2369
Qy	882	CGGTGCTTGGCTGCGGAGCGGTATCAGCTCACTCAAAAGCGGTAATACGGTTATCCA	941
Db	2370	CGGTGCTTGGCTGCGGAGCGGTATCAGCTCACTCAAAAGCGGTAATACGGTTATCCA	2429
Qy	942	CAGAAATCAGGGGATAACGACGGAAGACATGTGAGCAAAAGGCGCAGCAAGGCCAGGA	1001
Db	2430	CAGAAATCAGGGGATAACGACGGAAGACATGTGAGCAAAAGGCGCAGCAAGGCCAGGA	2489

RESULT 5
US-08-675-566-19
Sequence 19, Application US/08675566
Patent No. 6090393
GENERAL INFORMATION:
APPLICANT: Fischer, Laurent
TITLE OF INVENTION: PROMOTERS, EXPRESSION CASSETTES,
TITLE OF INVENTION: RECOMBINANT VIRUSES, METHODS FOR MAKING, AND USES THEREOF
NUMBER OF SEQUENCES: 120
CORRESPONDENCE ADDRESS:
ADDRESSEE: Curtis, Morris & Safford, P.C.
STREET: 530 Fifth Avenue
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/675,566
FILING DATE: 03-JUL-1996
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Frommer Esq., William S.

NAME: Frommer Esq., William S.
REGISTRATION NUMBER: 25,506
REFERENCE/DOCKET NUMBER: 454310-2890
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)840-3333
TELEFAX: (212)840-0712
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 5109 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-675-566-19

Query Match 42.0%; Score 420; DB 3; Length 5109;
Best Local Similarity 100.0%; Pred. No. 21e-155;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 582 TTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTCATAGCTGTTTC 641
DB 2223 TTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTCATAGCTGTTTC 2282
QY 642 CTGTGTGAATTTGTTATCCCGCTCAAAATTCACACAAATACAGAGCCGGAAGCATATAAGT 701
DB 2283 CTGTGTGAATTTGTTATCCCGCTCAAAATTCACACAAATACAGAGCCGGAAGCATATAAGT 2342
QY 702 GTAAAGCTGGGGTGCCTTAATGAGTGAGCTAACTACATTAATTTGCGTTGCGCTCACTGC 761
DB 2343 GTAAAGCTGGGGTGCCTTAATGAGTGAGCTAACTACATTAATTTGCGTTGCGCTCACTGC 2402
QY 762 CCGCTTTCCAGTCGGGAAACCTGTCGCCAGCTGCAATTAATGAATCGGCCAAACGCGCGG 821
DB 2403 CCGCTTTCCAGTCGGGAAACCTGTCGCCAGCTGCAATTAATGAATCGGCCAAACGCGCGG 2462
QY 822 GGAGAGCGGTTTCGTTATTTGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCT 881
DB 2463 GGAGAGCGGTTTCGTTATTTGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCT 2522
QY 882 CGGTCGTTCCGCTCGGCGAGCGGTATCAGCTCACTCAAAAGCGGTAATCGGTTATCCA 941
DB 2523 CGGTCGTTCCGCTCGGCGAGCGGTATCAGCTCACTCAAAAGCGGTAATCGGTTATCCA 2582
QY 942 CAGAAATCAGGGGATAACCCAGGAAAGAACATGTGAGCAAAAGGCCAGAAAGGCCACGGA 1001
DB 2583 CAGAAATCAGGGGATAACCCAGGAAAGAACATGTGAGCAAAAGGCCAGAAAGGCCACGGA 2642

RESULT 6

US-08-675-566-18
Sequence 18, Application US/08675566
Patent No. 6090393
GENERAL INFORMATION:
APPLICANT: Fischer, Laurent
TITLE OF INVENTION: PROMOTERS, EXPRESSION CASSETTES,
TITLE OF INVENTION: RECOMBINANT VIRUSES, METHODS FOR MAKING, AND USES THEREOF
NUMBER OF SEQUENCES: 120
CORRESPONDENCE ADDRESS:
ADDRESSEE: Curtis, Morris & Safford, P.C.
STREET: 530 Fifth Avenue
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA: US/08/675,566
APPLICATION NUMBER: US/08/675,566
FILING DATE: 03-JUL-1996
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:

NAME: Frommer Esq., William S.
REGISTRATION NUMBER: 25,506
REFERENCE/DOCKET NUMBER: 454310-2890
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)840-3333
TELEFAX: (212)840-0712
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 6045 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-675-566-18

Query Match 42.0%; Score 420; DB 3; Length 6045;
Best Local Similarity 100.0%; Pred. No. 2e-155;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 582 TTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTCATAGCTGTTTC 641
DB 3160 TTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTCATAGCTGTTTC 3219
QY 642 CTGTGTGAATTTGTTATCCCGCTCAAAATTCACACAAATACAGAGCCGGAAGCATATAAGT 701
DB 3220 CTGTGTGAATTTGTTATCCCGCTCAAAATTCACACAAATACAGAGCCGGAAGCATATAAGT 3279
QY 702 GTAAAGCTGGGGTGCCTTAATGAGTGAGCTAACTACATTAATTTGCGTTGCGCTCACTGC 761
DB 3280 GTAAAGCTGGGGTGCCTTAATGAGTGAGCTAACTACATTAATTTGCGTTGCGCTCACTGC 3339
QY 762 CCGCTTTCCAGTCGGGAAACCTGTCGCCAGCTGCAATTAATGAATCGGCCAAACGCGCGG 821
DB 3340 CCGCTTTCCAGTCGGGAAACCTGTCGCCAGCTGCAATTAATGAATCGGCCAAACGCGCGG 3399
QY 822 GGAGAGCGGTTTCGTTATTTGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCT 881
DB 3400 GGAGAGCGGTTTCGTTATTTGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCT 3459
QY 882 CGGTCGTTCCGCTCGGCGAGCGGTATCAGCTCACTCAAAAGCGGTAATCGGTTATCCA 941
DB 3460 CGGTCGTTCCGCTCGGCGAGCGGTATCAGCTCACTCAAAAGCGGTAATCGGTTATCCA 3519
QY 942 CAGAAATCAGGGGATAACCCAGGAAAGAACATGTGAGCAAAAGGCCAGAAAGGCCACGGA 1001
DB 3520 CAGAAATCAGGGGATAACCCAGGAAAGAACATGTGAGCAAAAGGCCAGAAAGGCCACGGA 3579

RESULT 7

US-08-675-566-5
Sequence 5, Application US/08675566
Patent No. 6090393
GENERAL INFORMATION:
APPLICANT: Fischer, Laurent
TITLE OF INVENTION: PROMOTERS, EXPRESSION CASSETTES,
TITLE OF INVENTION: RECOMBINANT VIRUSES, METHODS FOR MAKING, AND USES THEREOF
NUMBER OF SEQUENCES: 120
CORRESPONDENCE ADDRESS:
ADDRESSEE: Curtis, Morris & Safford, P.C.
STREET: 530 Fifth Avenue
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA: US/08/675,566
APPLICATION NUMBER: US/08/675,566
FILING DATE: 03-JUL-1996
CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:
NAME: Frommer Esq., William S.
REGISTRATION NUMBER: 25,506
REFERENCE/DOCKET NUMBER: 454310-2890
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)840-3333
TELEFAX: (212)840-0712
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 6196 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-675-566-5

Query Match 42.0%; Score 420; DB 3; Length 6196;
Best Local Similarity 100.0%; Pred. No. 2e-155;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 582 TTGTGTCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTCATAGCTGTTTC 641
Db 3325 TTGTGTCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTCATAGCTGTTTC 3384
Qy 642 CTGTGTGAAATGTTATCCGCTCAAAATTCACACAAATACGAGCCGGAAGCATATAAGT 701
Db 3385 CTGTGTGAAATGTTATCCGCTCAAAATTCACACAAATACGAGCCGGAAGCATATAAGT 3444
Qy 702 GTAAAGCTGGGGTGCCCTAATGAGTGAGCTAACTACACATTAATTCGCTGCGCTCACTGC 761
Db 3445 GTAAAGCTGGGGTGCCCTAATGAGTGAGCTAACTACACATTAATTCGCTGCGCTCACTGC 3504
Qy 762 CCGCTTTCCAGTCGGGAAACCTGTCGTCGAGCTGCATTAAATGAATCGCCAAACGCGCGG 821
Db 3505 CCGCTTTCCAGTCGGGAAACCTGTCGTCGAGCTGCATTAAATGAATCGCCAAACGCGCGG 3564
Qy 822 GGAGAGCGGTTTGGTATGCGGCTCTTCGCTTCCCTCGCTCACTGACTCGCTGCGCT 881
Db 3565 GGAGAGCGGTTTGGTATGCGGCTCTTCGCTTCCCTCGCTCACTGACTCGCTGCGCT 3624
Qy 882 CGGTGCTTCGCTCGGGAGCGGTATCAGCTCACTCAAGCGGTAAATCGGTTATCCA 941
Db 3625 CGGTGCTTCGCTCGGGAGCGGTATCAGCTCACTCAAGCGGTAAATCGGTTATCCA 3684
Qy 942 CAGAAATCAGGGATACCCAGCAAGAACATGTGAGCAAAAGGCGCAGCAAAAGCCAGGA 1001
Db 3685 CAGAAATCAGGGATACCCAGCAAGAACATGTGAGCAAAAGGCGCAGCAAAAGCCAGGA 3744

RESULT 8
US-08-675-566-14
Sequence 14, Application US/08675566
Patent No. 6090393
GENERAL INFORMATION:
APPLICANT: Fischer, Laurent
TITLE OF INVENTION: PROMOTERS, EXPRESSION CASSETTES,
TITLE OF INVENTION: RECOMBINANT VIRUSES, METHODS FOR MAKING, AND USES THEREOF
NUMBER OF SEQUENCES: 120
CORRESPONDENCE ADDRESS:
ADDRESSEE: Curtis, Morris & Safford, P.C.
STREET: 530 Fifth Avenue
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/675.566
FILING DATE: 03-JUL-1996

CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Frommer Esq., William S.
REGISTRATION NUMBER: 25,506
REFERENCE/DOCKET NUMBER: 454310-2890
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)840-3333
TELEFAX: (212)840-0712
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 6243 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-675-566-14

Query Match 42.0%; Score 420; DB 3; Length 6243;
Best Local Similarity 100.0%; Pred. No. 2e-155;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 582 TTGTGTCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTCATAGCTGTTTC 641
Db 3372 TTGTGTCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTCATAGCTGTTTC 3431
Qy 642 CTGTGTGAAATGTTATCCGCTCAAAATTCACACAAATACGAGCCGGAAGCATATAAGT 701
Db 3432 CTGTGTGAAATGTTATCCGCTCAAAATTCACACAAATACGAGCCGGAAGCATATAAGT 3491
Qy 702 GTAAAGCTGGGGTGCCCTAATGAGTGAGCTAACTACACATTAATTCGCTGCGCTCACTGC 761
Db 3492 GTAAAGCTGGGGTGCCCTAATGAGTGAGCTAACTACACATTAATTCGCTGCGCTCACTGC 3551
Qy 762 CCGCTTTCCAGTCGGGAAACCTGTCGTCGAGCTGCATTAAATGAATCGCCAAACGCGCGG 821
Db 3552 CCGCTTTCCAGTCGGGAAACCTGTCGTCGAGCTGCATTAAATGAATCGCCAAACGCGCGG 3611
Qy 822 GGAGAGCGGTTTGGTATGCGGCTCTTCGCTTCCCTCGCTCACTGACTCGCTGCGCT 881
Db 3612 GGAGAGCGGTTTGGTATGCGGCTCTTCGCTTCCCTCGCTCACTGACTCGCTGCGCT 3671
Qy 882 CGGTGCTTCGCTCGGGAGCGGTATCAGCTCACTCAAGCGGTAAATCGGTTATCCA 941
Db 3672 CGGTGCTTCGCTCGGGAGCGGTATCAGCTCACTCAAGCGGTAAATCGGTTATCCA 3731
Qy 942 CAGAAATCAGGGATACCCAGCAAGAACATGTGAGCAAAAGGCGCAGCAAAAGCCAGGA 1001
Db 3732 CAGAAATCAGGGATACCCAGCAAGAACATGTGAGCAAAAGGCGCAGCAAAAGCCAGGA 3791

RESULT 9
US-08-675-566-17
Sequence 17, Application US/08675566
Patent No. 6090393
GENERAL INFORMATION:
APPLICANT: Fischer, Laurent
TITLE OF INVENTION: PROMOTERS, EXPRESSION CASSETTES,
TITLE OF INVENTION: RECOMBINANT VIRUSES, METHODS FOR MAKING, AND USES THEREOF
NUMBER OF SEQUENCES: 120
CORRESPONDENCE ADDRESS:
ADDRESSEE: Curtis, Morris & Safford, P.C.
STREET: 530 Fifth Avenue
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/675.566

APPLICATION NUMBER: US/08/675,566
FILING DATE: 03-JUL-1996
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Frommer Esq., William S.
REGISTRATION NUMBER: 25,506
REFERENCE/DOCKET NUMBER: 454310-2890
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)840-3333
TELEFAX: (212)840-0712
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 6244 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-675-566-17

Query Match 42.0%; Score 420; DB 3; Length 6244;
Best Local Similarity 100.0%; Pred. No. 2e-155;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 582 TTTGTTCCCTTTAGTGAGGGTTAATCCGAGCTTGGCGTAATCATGTGTCATAGCTGTTTC 641
Db TTTGTTCCCTTTAGTGAGGGTTAATCCGAGCTTGGCGTAATCATGTGTCATAGCTGTTTC 3418

Qy 642 CTGTGTCAAAATTTGTTATCCGCTCAAAATTCACACACATACGAGCGGAGCATATAAGT 701
Db CTGTGTCAAAATTTGTTATCCGCTCAAAATTCACACACATACGAGCGGAGCATATAAGT 3478

Qy 702 GTAAAGCTCGGGTGCCTTAATGAGTGAGCTAACTCACATAATTTGCGTTGCGCTCACTGC 761
Db GTAAAGCTCGGGTGCCTTAATGAGTGAGCTAACTCACATAATTTGCGTTGCGCTCACTGC 3538

Qy 762 CCGCTTTCCAGTCGGGAAACCTGTGTCGCGCAGCTGCAATTAATGAATCGCCAAACGCGGG 821
Db CCGCTTTCCAGTCGGGAAACCTGTGTCGCGCAGCTGCAATTAATGAATCGCCAAACGCGGG 3598

Qy 822 GGAGAGCGGTTTCGCTAATTTGGGCGCTCTCCGCTTCTCGCTCACTGACTCGCTGCGCT 881
Db GGAGAGCGGTTTCGCTAATTTGGGCGCTCTCCGCTTCTCGCTCACTGACTCGCTGCGCT 3658

Qy 882 CGGTGCTTCGCGTCGGCGAGCGGTATCAGCTCACTCAAAGCGGTAATACGGTTATCCA 941
Db CGGTGCTTCGCGTCGGCGAGCGGTATCAGCTCACTCAAAGCGGTAATACGGTTATCCA 3718

Qy 942 CAGAAATCAGGGGATAACGAGGAAAGAACATGTGAGCAAAAGGCCAGCAAGGCCAGGA 1001
Db CAGAAATCAGGGGATAACGAGGAAAGAACATGTGAGCAAAAGGCCAGCAAGGCCAGGA 3778

RESULT 10
US-08-675-566-16
Sequence 16, Application US/08675566
Patent No. 6090393
GENERAL INFORMATION:
APPLICANT: Fischer, Laurent
TITLE OF INVENTION: PROMOTERS, EXPRESSION CASSETTES,
TITLE OF INVENTION: RECOMBINANT VIRUSES, METHODS FOR MAKING, AND USES THEREOF
NUMBER OF SEQUENCES: 120
CORRESPONDENCE ADDRESS:
ADDRESSEE: Curtis, Morris & Safford, P.C.
STREET: 530 Fifth Avenue
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/675,566
FILING DATE: 03-JUL-1996
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Frommer Esq., William S.
REGISTRATION NUMBER: 25,506
REFERENCE/DOCKET NUMBER: 454310-2890
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)840-3333
TELEFAX: (212)840-0712
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 6447 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-675-566-16

Query Match 42.0%; Score 420; DB 3; Length 6447;
Best Local Similarity 100.0%; Pred. No. 2e-155;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 582 TTTGTTCCCTTTAGTGAGGGTTAATCCGAGCTTGGCGTAATCATGTGTCATAGCTGTTTC 641
Db TTTGTTCCCTTTAGTGAGGGTTAATCCGAGCTTGGCGTAATCATGTGTCATAGCTGTTTC 3621

Qy 642 CTGTGTCAAAATTTGTTATCCGCTCAAAATTCACACACATACGAGCGGAGCATATAAGT 701
Db CTGTGTCAAAATTTGTTATCCGCTCAAAATTCACACACATACGAGCGGAGCATATAAGT 3681

Qy 702 GTAAAGCTCGGGTGCCTTAATGAGTGAGCTAACTCACATAATTTGCGTTGCGCTCACTGC 761
Db GTAAAGCTCGGGTGCCTTAATGAGTGAGCTAACTCACATAATTTGCGTTGCGCTCACTGC 3741

Qy 762 CCGCTTTCCAGTCGGGAAACCTGTGTCGCGCAGCTGCAATTAATGAATCGCCAAACGCGGG 821
Db CCGCTTTCCAGTCGGGAAACCTGTGTCGCGCAGCTGCAATTAATGAATCGCCAAACGCGGG 3801

Qy 822 GGAGAGCGGTTTCGCTAATTTGGGCGCTCTCCGCTTCTCGCTCACTGACTCGCTGCGCT 881
Db GGAGAGCGGTTTCGCTAATTTGGGCGCTCTCCGCTTCTCGCTCACTGACTCGCTGCGCT 3861

Qy 882 CGGTGCTTCGCGTCGGCGAGCGGTATCAGCTCACTCAAAGCGGTAATACGGTTATCCA 941
Db CGGTGCTTCGCGTCGGCGAGCGGTATCAGCTCACTCAAAGCGGTAATACGGTTATCCA 3921

Qy 942 CAGAAATCAGGGGATAACGAGGAAAGAACATGTGAGCAAAAGGCCAGCAAGGCCAGGA 1001
Db CAGAAATCAGGGGATAACGAGGAAAGAACATGTGAGCAAAAGGCCAGCAAGGCCAGGA 3981

RESULT 11
US-08-675-566-6
Sequence 6, Application US/08675566
Patent No. 6090393
GENERAL INFORMATION:
APPLICANT: Fischer, Laurent
TITLE OF INVENTION: PROMOTERS, EXPRESSION CASSETTES,
TITLE OF INVENTION: RECOMBINANT VIRUSES, METHODS FOR MAKING, AND USES THEREOF
NUMBER OF SEQUENCES: 120
CORRESPONDENCE ADDRESS:
ADDRESSEE: Curtis, Morris & Safford, P.C.
STREET: 530 Fifth Avenue
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/675,566
; FILING DATE: 03-JUL-1996
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Frommer Esq., William S.
; REGISTRATION NUMBER: 25,506
; REFERENCE/DOCKET NUMBER: 454310-2890
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)840-3333
; TELEFAX: (212)840-0712
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6503 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-675-566-6

Query Match          42.0%; Score 420; DB 3; Length 6503;
Best Local Similarity 100.0%; Pred. No. 2e-155;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 582 TTTGTTCCCTTTAGTAGAGGGTTAATTCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 641
Db 3631 TTTGTTCCCTTTAGTAGAGGGTTAATTCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 3690

Qy 642 CTGTGTGAATTTGTTATCCGCTCAAAATTCACACACATACGAGCCGGAAGCATAAAGT 701
Db 3691 CTGTGTGAATTTGTTATCCGCTCAAAATTCACACACATACGAGCCGGAAGCATAAAGT 3750

Qy 702 GTAAAGCTCGGGTGCCCTAATGAGTGAGCTAACTCACATTAATTCGCTTGGCTCACTGC 761
Db 3751 GTAAAGCTCGGGTGCCCTAATGAGTGAGCTAACTCACATTAATTCGCTTGGCTCACTGC 3810

Qy 762 CCGCTTTCCAGTCGGGAAACCTGTGTCGACAGCTGCATTAATGAATCGCCAAACGCGGG 821
Db 3811 CCGCTTTCCAGTCGGGAAACCTGTGTCGACAGCTGCATTAATGAATCGCCAAACGCGGG 3870

Qy 822 GGAGAGCGGTTTCGCTATTGGGGCGCTCTTCGCTTCTCGCTCAGTCACTCGCTGCGCT 881
Db 3871 GGAGAGCGGTTTCGCTATTGGGGCGCTCTTCGCTTCTCGCTCAGTCACTCGCTGCGCT 3930

Qy 882 CGGTCTGTTCCGCTCGCGGACGGTATCAGCTCACTCAAAAGCGGTAATACGGTTATCCA 941
Db 3931 CGGTCTGTTCCGCTCGCGGACGGTATCAGCTCACTCAAAAGCGGTAATACGGTTATCCA 3990

Qy 942 CAGAATCAGGGGATAACGACGAGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 1001
Db 3991 CAGAATCAGGGGATAACGACGAGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 4050

RESULT 12
US-08-675-566-4
; Sequence 4, Application US/08675566
; Patent No. 6090393
; GENERAL INFORMATION:
; APPLICANT: Fischer, Laurent
; TITLE OF INVENTION: PROMOTERS, EXPRESSION CASSETTES,
; TITLE OF INVENTION: RECOMBINANT VIRUSES, METHODS FOR MAKING, AND USES THEREOF
; NUMBER OF SEQUENCES: 120
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Curtis, Morris & Safford, P.C.
; STREET: 530 Fifth Avenue
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
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; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/675,566
; FILING DATE: 03-JUL-1996
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Frommer Esq., William S.
; REGISTRATION NUMBER: 25,506
; REFERENCE/DOCKET NUMBER: 454310-2890
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)840-3333
; TELEFAX: (212)840-0712
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6578 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-675-566-4

Query Match          42.0%; Score 420; DB 3; Length 6578;
Best Local Similarity 100.0%; Pred. No. 2e-155;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 582 TTTGTTCCCTTTAGTAGAGGGTTAATTCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 641
Db 4517 TTTGTTCCCTTTAGTAGAGGGTTAATTCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 4576

Qy 642 CTGTGTGAATTTGTTATCCGCTCAAAATTCACACACATACGAGCCGGAAGCATAAAGT 701
Db 4577 CTGTGTGAATTTGTTATCCGCTCAAAATTCACACACATACGAGCCGGAAGCATAAAGT 4636

Qy 702 GTAAAGCTCGGGTGCCCTAATGAGTGAGCTAACTCACATTAATTCGCTTGGCTCACTGC 761
Db 4637 GTAAAGCTCGGGTGCCCTAATGAGTGAGCTAACTCACATTAATTCGCTTGGCTCACTGC 4696

Qy 762 CCGCTTTCCAGTCGGGAAACCTGTGTCGACAGCTGCATTAATGAATCGCCAAACGCGGG 821
Db 4697 CCGCTTTCCAGTCGGGAAACCTGTGTCGACAGCTGCATTAATGAATCGCCAAACGCGGG 4756

Qy 822 GGAGAGCGGTTTCGCTATTGGGGCGCTCTTCGCTTCTCGCTCAGTCACTCGCTGCGCT 881
Db 4757 GGAGAGCGGTTTCGCTATTGGGGCGCTCTTCGCTTCTCGCTCAGTCACTCGCTGCGCT 4816

Qy 882 CGGTCTGTTCCGCTCGCGGACGGTATCAGCTCACTCAAAAGCGGTAATACGGTTATCCA 941
Db 4817 CGGTCTGTTCCGCTCGCGGACGGTATCAGCTCACTCAAAAGCGGTAATACGGTTATCCA 4876

Qy 942 CAGAATCAGGGGATAACGACGAGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 1001
Db 4877 CAGAATCAGGGGATAACGACGAGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 4936

RESULT 13
US-08-675-566-15
; Sequence 15, Application US/08675566
; Patent No. 6090393
; GENERAL INFORMATION:
; APPLICANT: Fischer, Laurent
; TITLE OF INVENTION: PROMOTERS, EXPRESSION CASSETTES,
; TITLE OF INVENTION: RECOMBINANT VIRUSES, METHODS FOR MAKING, AND USES THEREOF
; NUMBER OF SEQUENCES: 120
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Curtis, Morris & Safford, P.C.
; STREET: 530 Fifth Avenue
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
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; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/08/675,566
; APPLICATION NUMBER: US/08/675,566
; FILING DATE: 03-JUL-1996
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Frommer Esq., William S.
; REGISTRATION NUMBER: 25,506
; REFERENCE/DOCKET NUMBER: 454310-2890
; TELEPHONE: (212)840-3333
; TELEFAX: (212)840-0712
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6612 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-675-566-15

Query Match 42.0%; Score 420; DB 3; Length 6612;
Best Local Similarity 100.0%; Pred. No. 2e-155;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 582 TTTGTTCCCTTTAGTAGAGGGTTAATCCGAGCTTGGCGTAATCATGTGTCATAGCTGTTTC 641
Db 3727 TTTGTTCCCTTTAGTAGAGGGTTAATCCGAGCTTGGCGTAATCATGTGTCATAGCTGTTTC 3786

Qy 642 CTGTGTGAAATTTGTTATCCGCTCAAAATCCACACACATACGAGCGGGAAGCAATAAAGT 701
Db 3787 CTGTGTGAAATTTGTTATCCGCTCAAAATCCACACACATACGAGCGGGAAGCAATAAAGT 3846

Qy 702 GTAAAGCTCGGGTGCCCTAATAGTGAGCTAACTCACATTAATTTGCGTTGCGCTCACTGC 761
Db 3847 GTAAAGCTCGGGTGCCCTAATAGTGAGCTAACTCACATTAATTTGCGTTGCGCTCACTGC 3906

Qy 762 CCGCTTTCAGTCGGGAACCTGTCGCGAGCTGCATTAAATGAATCGGCCAACGCGCGG 821
Db 3907 CCGCTTTCAGTCGGGAACCTGTCGCGAGCTGCATTAAATGAATCGGCCAACGCGCGG 3966

Qy 822 GGAGAGCGGTTTGGCTATTGGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCT 881
Db 3967 GGAGAGCGGTTTGGCTATTGGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCT 4026

Qy 882 CCGTTCGTTTCGCTCGGCGAGCGGTATCAGTCACTCAAAAGCGGTAATACGGTTATCCA 941
Db 4027 CCGTTCGTTTCGCTCGGCGAGCGGTATCAGTCACTCAAAAGCGGTAATACGGTTATCCA 4086

Qy 942 CAGAAATCAGGGGATAACGACGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 1001
Db 4087 CAGAAATCAGGGGATAACGACGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 4146

RESULT 14
US-08-675-566-2
; Sequence 2, Application US/08675566
; Patent No. 6090393
; GENERAL INFORMATION:
; APPLICANT: Fischer, Laurent
; TITLE OF INVENTION: PROMOTERS, EXPRESSION CASSETTES,
; TITLE OF INVENTION: RECOMBINANT VIRUSES, METHODS FOR MAKING, AND USES THEREOF
; NUMBER OF SEQUENCES: 120
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Curtis, Morris & Safford, P.C.
; STREET: 530 Fifth Avenue
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/08/675,566
; APPLICATION NUMBER: US/08/675,566
; FILING DATE: 03-JUL-1996
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Frommer Esq., William S.
; REGISTRATION NUMBER: 25,506
; REFERENCE/DOCKET NUMBER: 454310-2890
; TELEPHONE: (212)840-3333
; TELEFAX: (212)840-0712
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6958 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-675-566-2

Query Match 42.0%; Score 420; DB 3; Length 6958;
Best Local Similarity 100.0%; Pred. No. 2e-155;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 582 TTTGTTCCCTTTAGTAGAGGGTTAATCCGAGCTTGGCGTAATCATGTGTCATAGCTGTTTC 641
Db 4086 TTTGTTCCCTTTAGTAGAGGGTTAATCCGAGCTTGGCGTAATCATGTGTCATAGCTGTTTC 4145

Qy 642 CTGTGTGAAATTTGTTATCCGCTCAAAATCCACACACATACGAGCGGGAAGCAATAAAGT 701
Db 4146 CTGTGTGAAATTTGTTATCCGCTCAAAATCCACACACATACGAGCGGGAAGCAATAAAGT 4205

Qy 702 GTAAAGCTCGGGTGCCCTAATAGTGAGCTAACTCACATTAATTTGCGTTGCGCTCACTGC 761
Db 4206 GTAAAGCTCGGGTGCCCTAATAGTGAGCTAACTCACATTAATTTGCGTTGCGCTCACTGC 4265

Qy 762 CCGCTTTCAGTCGGGAACCTGTCGCGAGCTGCATTAAATGAATCGGCCAACGCGCGG 821
Db 4266 CCGCTTTCAGTCGGGAACCTGTCGCGAGCTGCATTAAATGAATCGGCCAACGCGCGG 4325

Qy 822 GGAGAGCGGTTTGGCTATTGGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCT 881
Db 4326 GGAGAGCGGTTTGGCTATTGGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCT 4385

Qy 882 CCGTTCGTTTCGCTCGGCGAGCGGTATCAGTCACTCAAAAGCGGTAATACGGTTATCCA 941
Db 4386 CCGTTCGTTTCGCTCGGCGAGCGGTATCAGTCACTCAAAAGCGGTAATACGGTTATCCA 4445

Qy 942 CAGAAATCAGGGGATAACGACGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 1001
Db 4446 CAGAAATCAGGGGATAACGACGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 4505

RESULT 15
US-08-675-566-1
; Sequence 1, Application US/08675566
; Patent No. 6090393
; GENERAL INFORMATION:
; APPLICANT: Fischer, Laurent
; TITLE OF INVENTION: PROMOTERS, EXPRESSION CASSETTES,
; TITLE OF INVENTION: RECOMBINANT VIRUSES, METHODS FOR MAKING, AND USES THEREOF
; NUMBER OF SEQUENCES: 120
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Curtis, Morris & Safford, P.C.
; STREET: 530 Fifth Avenue
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/675,566
FILING DATE: 03-JUL-1996
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Frommer Esq., William S.
REGISTRATION NUMBER: 25,506
REFERENCE/DOCKET NUMBER: 454310-2890
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)840-3333
TELEFAX: (212)840-0712
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 6994 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-675-566-1

Query Match 42.0%; Score 420; DB 3; Length 6994;
Best Local Similarity 100.0%; Pred. No. 2e-155;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 582 TTTCGTTCCCTTTAGTGAGGGTTAATCCGAGCTTGGGGTAAATCATGTGCTAGCTAGCTGTTTC 641
Db |||||||
Qy 4796 TTTCGTTCCCTTTAGTGAGGGTTAATCCGAGCTTGGGGTAAATCATGTGCTAGCTAGCTGTTTC 4855
Db |||||||
Qy 642 CTGTGTGAATTTGTTATCCGCTCAATTCACACACATACGAGCCGGAAGCATAAAGT 701
Db |||||||
Qy 4856 CTGTGTGAATTTGTTATCCGCTCAATTCACACACATACGAGCCGGAAGCATAAAGT 4915
Db |||||||
Qy 702 GTAAAGCCTGGGGTGCCTAATGAGTGAGCTAACTCACAATTAATTGCGTTGCGCTCACTGC 761
Db |||||||
Qy 4916 GTAAAGCCTGGGGTGCCTAATGAGTGAGCTAACTCACAATTAATTGCGTTGCGCTCACTGC 4975
Db |||||||
Qy 762 CCGCTTTCCAGTCGGGAACCTGTCGCCAGCTGCATTAAATGAATCGGCCAACCGCGGG 821
Db |||||||
Qy 4976 CCGCTTTCCAGTCGGGAACCTGTCGCCAGCTGCATTAAATGAATCGGCCAACCGCGGG 5035
Db |||||||
Qy 822 GGAGAGCGGTTTGGGTATTGGGGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCT 881
Db |||||||
Qy 5036 GGAGAGCGGTTTGGGTATTGGGGCTCTTCCGCTTCTCGCTCACTGACTCGCTGCGCT 5095
Db |||||||
Qy 882 CGGTCGTTGCGCTCGGCGAGCGGTATCAGCTCACTCAAAAGCGGTAAATACGGTTATCCA 941
Db |||||||
Qy 5096 CGGTCGTTGCGCTCGGCGAGCGGTATCAGCTCACTCAAAAGCGGTAAATACGGTTATCCA 5155
Db |||||||
Qy 942 CAGAAATCAGGGGATAACGACGGAAGAACATGTGAGCAAAAGGCCAGCAAGGCCAGGA 1001
Db |||||||
Qy 5156 CAGAAATCAGGGGATAACGACGGAAGAACATGTGAGCAAAAGGCCAGCAAGGCCAGGA 5215
Db |||||||

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OM nucleic - nucleic search, using sw model

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- 8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq.*
- 9: /cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq.*
- 10: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq.*
- 11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq.*
- 12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq.*
- 13: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq.*
- 14: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq.*
- 15: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq.*
- 16: /cgn2_6/ptodata/1/pubpna/US10D_PUBCOMB.seq.*
- 17: /cgn2_6/ptodata/1/pubpna/US10E_PUBCOMB.seq.*
- 18: /cgn2_6/ptodata/1/pubpna/US10F_PUBCOMB.seq.*
- 19: /cgn2_6/ptodata/1/pubpna/US10G_PUBCOMB.seq.*
- 20: /cgn2_6/ptodata/1/pubpna/US10H_PUBCOMB.seq.*
- 21: /cgn2_6/ptodata/1/pubpna/US10I_PUBCOMB.seq.*
- 22: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq.*
- 23: /cgn2_6/ptodata/1/pubpna/US11A_PUBCOMB.seq.*
- 24: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq.*
- 25: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq.*
- 26: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1001	100.0	32745	9	US-09-464-767-3
2	575	57.4	29544	9	US-09-464-767-1
3	420	42.0	7228	9	US-09-943-722-128
4	420	42.0	7228	9	US-09-943-722-129
5	420	42.0	7228	19	US-10-739-096-45
6	420	42.0	7228	20	US-10-480-793-6
7	420	42.0	8017	14	US-10-152-040-26

8	420	42.0	8017	21	US-10-478-434A-26	Sequence 26, Appl
9	420	42.0	8092	14	US-10-152-040-27	Sequence 27, Appl
10	420	42.0	8092	21	US-10-478-434A-27	Sequence 27, Appl
c 11	420	42.0	8937	9	US-09-872-733-8	Sequence 8, Appl
c 12	420	42.0	8937	9	US-09-872-733-9	Sequence 9, Appl
c 13	420	42.0	8937	14	US-10-263-020-8	Sequence 8, Appl
c 14	420	42.0	8937	18	US-10-263-020-9	Sequence 9, Appl
c 15	420	42.0	8937	18	US-10-844-027-8	Sequence 8, Appl
c 16	420	42.0	8937	18	US-10-644-027-9	Sequence 9, Appl
c 17	420	42.0	9299	19	US-10-759-602-15	Sequence 15, Appl
c 18	420	42.0	9408	19	US-10-759-602-16	Sequence 16, Appl
c 19	420	42.0	10417	14	US-10-152-040-28	Sequence 28, Appl
c 20	420	42.0	10417	21	US-10-478-434A-28	Sequence 28, Appl
21	415	41.5	10078	13	US-10-033-190-3	Sequence 3, Appl
22	393	39.3	752	9	US-09-956-004-108	Sequence 108, App
23	393	39.3	752	19	US-10-808-570-108	Sequence 232, App
c 24	393	39.3	1092	9	US-09-764-868-232	Sequence 1853, Ap
c 25	393	39.3	1092	10	US-09-764-891-1853	Sequence 482, App
c 26	393	39.3	1092	11	US-09-764-875-482	Sequence 317, App
c 27	393	39.3	1276	22	US-10-915-740A-317	Sequence 350, App
c 28	393	39.3	2074	15	US-10-106-698-350	Sequence 10, Appl
c 29	393	39.3	2192	14	US-10-021-403A-10	Sequence 1231, Ap
c 30	393	39.3	2474	10	US-09-933-767-1231	Sequence 72, Appl
31	393	39.3	3351	17	US-10-014-099F-72	Sequence 2, Appl
32	393	39.3	3369	22	US-10-894-949-2	Sequence 11, Appl
33	393	39.3	3387	21	US-10-685-837-11	Sequence 9, Appl
34	393	39.3	3387	21	US-10-685-837-12	Sequence 11, Appl
35	393	39.3	3387	21	US-10-685-837-13	Sequence 12, Appl
36	393	39.3	3426	16	US-10-136-837-2	Sequence 13, Appl
37	393	39.3	3497	18	US-10-420-529-11	Sequence 14, Appl
38	393	39.3	3534	14	US-10-021-403A-9	Sequence 15, Appl
39	393	39.3	3534	17	US-10-395-709-11	Sequence 11, Appl
40	393	39.3	3534	17	US-10-395-709-12	Sequence 12, Appl
41	393	39.3	3534	17	US-10-395-709-13	Sequence 13, Appl
42	393	39.3	3534	17	US-10-395-709-14	Sequence 14, Appl
43	393	39.3	3534	17	US-10-395-709-15	Sequence 15, Appl
44	393	39.3	3534	18	US-10-359-919A-11	Sequence 11, Appl
45	393	39.3	3534	18	US-10-359-919A-12	Sequence 12, Appl

ALIGNMENTS

RESULT 1

US-09-464-767-3
; Sequence 3, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Boyle, David
; APPLICANT: Vrati, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vec
; FILE REFERENCE: 50179-073
; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 32745
; TYPE: DNA
; ORGANISM: synthetic construct
US-09-464-767-3

Query Match	100.0%;	Score	1001;	DB	9;	Length	32745;
Best Local Similarity	100.0%;	Pred. No.	0;				
Matches	1001;	Conservative	0;	Mismatches	0;	Indels	0;
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Db	29000	TAAACTGAAGCATCTTCTTCTTATTAATAAAGAGTGTTCACAAATTATTAGA	29059				
Qy	61	CTCTAACCAAAAATTCAAATACITTTTCCTTTATATGTCATTAAGATAAATAATA	120				


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; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/943,722
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/850,049
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/050,478
; FILING DATE: 26-OCT-1994
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/02908
; FILING DATE: 29-MAR-1993
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/858,747
; FILING DATE: 27-MAR-1992
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: MORRY, MARY J.
; REGISTRATION NUMBER: 34,398
; REFERENCE/DOCKET NUMBER: 2026-4006US1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)751-4800
; TELEFAX: (212)751-6849
; INFORMATION FOR SEQ ID NO: 128:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7228 BASE PAIRS
; TYPE: NUCLEIC ACID
; STRANDEDNESS: SINGLE
; TOPOLOGY: LINEAR
;
US-09-943-722-128
Query Match 42.0%; Score 420; DB 9; Length 7228;
Best Local Similarity 100.0%; Pred. No. 7.5e-188;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 582 TTTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTGCTAGCTGTTTC 641
Db 6527 TTTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTGCTAGCTGTTTC 6468

Qy 642 CTGTGTGAATTTGTTATCCGCTCAATTCACACATACGAGCCGGAAGCATAAAGT 701
Db 6467 CTGTGTGAATTTGTTATCCGCTCAATTCACACATACGAGCCGGAAGCATAAAGT 6408

Qy 702 GTAAAGCCTGGGGTGCCCTAATGAGTGAGCTAACTCACATAATTTGCGTTCGCTCACTGC 761
Db 6407 GTAAAGCCTGGGGTGCCCTAATGAGTGAGCTAACTCACATAATTTGCGTTCGCTCACTGC 6348

Qy 762 CCGCTTTCCAGTCGGGAAACCTGTCGTCAGCTGCAATTAATGAATCGGCCAAGCGCGG 821
Db 6347 CCGCTTTCCAGTCGGGAAACCTGTCGTCAGCTGCAATTAATGAATCGGCCAAGCGCGG 6288

Qy 822 GGAGAGCGGTTTCGGTATTTGGGCGCTCTTCGCGCTTCTCGCTCACTGACTCGCTGGCT 881
Db 6287 GGAGAGCGGTTTCGGTATTTGGGCGCTCTTCGCGCTTCTCGCTCACTGACTCGCTGGCT 6228

Qy 882 CGGTCTGTCGCTCGGCGAGCGGTATCAGCTCACTCAAAAGGCGGTAAATCGGTTATCCA 941
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Qy 942 CAGAAATCAGGGGATAACGACGAGAAAGAACATGTGAGCAAAAGGCGGCAAAAGCCAGGA 1001
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RESULT 4

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US-09-943-722-129/c
; Sequence 129, Application US/09943722
; Publication No. US20020192660A1
; GENERAL INFORMATION:
; APPLICANT:
; APPLICANT:
; APPLICANT:
; TITLE OF INVENTION: METHOD OF ELIMINATING
; TITLE OF INVENTION: INHIBITORY/INSTABILITY REGIONS OF mRNA
; NUMBER OF SEQUENCES: 130
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN
; STREET: 345 PARK AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/943,722
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/850,049
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/050,478
; FILING DATE: 26-OCT-1994
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/02908
; FILING DATE: 29-MAR-1993
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/858,747
; FILING DATE: 27-MAR-1992
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: MORRY, MARY J.
; REGISTRATION NUMBER: 34,398
; REFERENCE/DOCKET NUMBER: 2026-4006US1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)751-4800
; TELEFAX: (212)751-6849
; INFORMATION FOR SEQ ID NO: 129:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7228 BASE PAIRS
; TYPE: NUCLEIC ACID
; STRANDEDNESS: SINGLE
; TOPOLOGY: LINEAR
;
US-09-943-722-129
Query Match 42.0%; Score 420; DB 9; Length 7228;
Best Local Similarity 100.0%; Pred. No. 7.5e-188;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 582 TTTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTGCTAGCTGTTTC 641
Db 6527 TTTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTGCTAGCTGTTTC 6468

Qy 642 CTGTGTGAATTTGTTATCCGCTCAATTCACACATACGAGCCGGAAGCATAAAGT 701
Db 6467 CTGTGTGAATTTGTTATCCGCTCAATTCACACATACGAGCCGGAAGCATAAAGT 6408

Qy 702 GTAAAGCCTGGGGTGCCCTAATGAGTGAGCTAACTCACATAATTTGCGTTCGCTCACTGC 761
Db 6407 GTAAAGCCTGGGGTGCCCTAATGAGTGAGCTAACTCACATAATTTGCGTTCGCTCACTGC 6348

Qy 762 CCGCTTTCCAGTCGGGAAACCTGTCGTCAGCTGCAATTAATGAATCGGCCAAGCGCGG 821

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Db 6347 CCGCTTTCCAGTCGGGAAACCTGTCGTGCCAGCTGCATTAATGAATCGGCCAACGCCGCG 6288
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Db 6287 GGAGAGCGGTTTCGCTATGGGGCGCTCTTCGGCTTCCTCGCTCACTGACTCGCTGGCT 6228
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Qy 942 CAGAAATCAGGGGATAACCGCAGGAGCGGTATCAGCTCACTCAAAAGCGGTAAATACGGTTATCCA 1001
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RESULT 5
US-10-739-096-45/c
; Sequence 45, Application US/10739096
; Publication No. US20040136963A1
; GENERAL INFORMATION:
; APPLICANT: Wilson, James M.
; APPLICANT: GaO, Guangping
; APPLICANT: Soumitra, Roy
; TITLE OF INVENTION: Simian Adenovirus, Vectors and Methods of Use
; FILE REFERENCE: UPN-02677CIPUSA
; CURRENT APPLICATION NUMBER: US/10/739,096
; PRIOR FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: US 60/300,131
; PRIOR FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: US 60/304,843
; PRIOR FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: US 60/331,951
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/366,798
; PRIOR FILING DATE: 2002-03-22
; PRIOR APPLICATION NUMBER: PCT/US02/15239
; PRIOR FILING DATE: 2002-05-13
; PRIOR APPLICATION NUMBER: PCT/US02/33645
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 45

LENGTH: 7228
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Modified HIV-1 gag sequence
NAME/KEY: CDS
LOCATION: (729)..(1820)
US-10-739-096-45
Query Match 42.0%; Score 420; DB 19; Length 7228;
Best Local Similarity 100.0%; Pred. No. 7.5e-188;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 582 TTTGTTCCCTTTAGTAGAGGTTAATTCGAGCTTGGCGTAAATCATGTCATAGCTGTTTC 641
Db 6527 TTTGTTCCCTTTAGTAGAGGTTAATTCGAGCTTGGCGTAAATCATGTCATAGCTGTTTC 6468

Qy 642 CTGTGTGAATTTGTTATCCGCTCACTCAATTCACACACATACGAGCGGAGCATAAAGT 701
Db 6467 CTGTGTGAATTTGTTATCCGCTCACTCAATTCACACACATACGAGCGGAGCATAAAGT 6408

Qy 702 GTAAAGCCTGGGTCGCCTTAATGAGTGAGCTAACTCACATTAATTTGGCTTCAGCTGCTGC 761
Db 6407 GTAAAGCCTGGGTCGCCTTAATGAGTGAGCTAACTCACATTAATTTGGCTTCAGCTGCTGC 6348

Qy 762 CCGCTTTCCAGTCGGGAAACCTGTCGTGCCAGCTGCATTAATGAATCGGCCAACGCCGCG 821
Db 6347 CCGCTTTCCAGTCGGGAAACCTGTCGTGCCAGCTGCATTAATGAATCGGCCAACGCCGCG 6288

Qy 822 GGAGAGCGGTTTCGCTATGGGGCGCTCTTCGGCTTCCTCGCTCACTGACTCGCTGGCT 881
Db 6287 GGAGAGCGGTTTCGCTATGGGGCGCTCTTCGGCTTCCTCGCTCACTGACTCGCTGGCT 6228
Qy 882 CGGTCTGTCGGCTCGCGGACGGGTATCAGCTCACTCAAAAGCGGTAAATACGGTTATCCA 941
Db 6227 CGGTCTGTCGGCTCGCGGACGGGTATCAGCTCACTCAAAAGCGGTAAATACGGTTATCCA 6168
Qy 942 CAGAAATCAGGGGATAACCGCAGGAGCGGTATCAGCTCACTCAAAAGCGGTAAATACGGTTATCCA 1001
Db 6167 CAGAAATCAGGGGATAACCGCAGGAGCGGTATCAGCTCACTCAAAAGCGGTAAATACGGTTATCCA 6108

RESULT 6
US-10-480-793-6/c
; Sequence 6, Application US/10480793
; Publication No. US20040241181A1
; GENERAL INFORMATION:
; APPLICANT: The Wistar Institute of Anatomy and Biology
; APPLICANT: The Trustees of The University of Pennsylvania
; APPLICANT: Extl, Hildegund C.J.
; APPLICANT: Wilson, James M.
; TITLE OF INVENTION: Methods of Inducing a Cytotoxic Immune Response and Recombinant S
; FILE REFERENCE: WST104/UPNN2628A
; CURRENT APPLICATION NUMBER: US/10/480,793
; PRIOR FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: US 60/300,131
; PRIOR FILING DATE: 2001-06-22
; PRIOR APPLICATION NUMBER: US 60/304,843
; PRIOR FILING DATE: 2001-07-12
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6

LENGTH: 7228
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Modified HIV-1 gag sequence
NAME/KEY: CDS
LOCATION: (729)..(1820)
OTHER INFORMATION:
US-10-480-793-6
Query Match 42.0%; Score 420; DB 20; Length 7228;
Best Local Similarity 100.0%; Pred. No. 7.5e-188;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 582 TTTGTTCCCTTTAGTAGAGGTTAATTCGAGCTTGGCGTAAATCATGTCATAGCTGTTTC 641
Db 6527 TTTGTTCCCTTTAGTAGAGGTTAATTCGAGCTTGGCGTAAATCATGTCATAGCTGTTTC 6468

Qy 642 CTGTGTGAATTTGTTATCCGCTCACTCAATTCACACACATACGAGCGGAGCATAAAGT 701
Db 6467 CTGTGTGAATTTGTTATCCGCTCACTCAATTCACACACATACGAGCGGAGCATAAAGT 6408

Qy 702 GTAAAGCCTGGGTCGCCTTAATGAGTGAGCTAACTCACATTAATTTGGCTTCAGCTGCTGC 761
Db 6407 GTAAAGCCTGGGTCGCCTTAATGAGTGAGCTAACTCACATTAATTTGGCTTCAGCTGCTGC 6348

Qy 762 CCGCTTTCCAGTCGGGAAACCTGTCGTGCCAGCTGCATTAATGAATCGGCCAACGCCGCG 821
Db 6347 CCGCTTTCCAGTCGGGAAACCTGTCGTGCCAGCTGCATTAATGAATCGGCCAACGCCGCG 6288

Qy 822 GGAGAGCGGTTTCGCTATGGGGCGCTCTTCGGCTTCCTCGCTCACTGACTCGCTGGCT 881
Db 6287 GGAGAGCGGTTTCGCTATGGGGCGCTCTTCGGCTTCCTCGCTCACTGACTCGCTGGCT 6228

Qy 882 CGGTCTGTCGGCTCGCGGACGGGTATCAGCTCACTCAAAAGCGGTAAATACGGTTATCCA 941
Db 6227 CGGTCTGTCGGCTCGCGGACGGGTATCAGCTCACTCAAAAGCGGTAAATACGGTTATCCA 6168

QY 942 CAGAATCAGGGGATACCGCAGGAAAGACATCTGACCAAGGCGCAGCAAAAGCCAGGA 1001
Db 6167 CAGAATCAGGGGATACCGCAGGAAAGACATCTGACCAAGGCGCAGCAAAAGCCAGGA 6108

RESULT 7

US-10-152-040-26
; Sequence 26, Application US/10152040
; Publication No. US20030077251A1
; GENERAL INFORMATION:
; APPLICANT: ESCRIOU, NICOLAS
; APPLICANT: VAN DER WERF, SYLVIE
; APPLICANT: VIGNUZZI, MARCO
; APPLICANT: GERBAUD, SYLVIE
; TITLE OF INVENTION: REPLICONS DERIVED FROM POSITIVE STRAND RNA VIRUS
; TITLE OF INVENTION: GENOMES USEFUL FOR THE PRODUCTION OF HETEROLOGOUS
; FILE REFERENCE: 03495.0229-00000
; CURRENT APPLICATION NUMBER: US/10/152,040
; CURRENT FILING DATE: 2002-06-27
; PRIOR APPLICATION NUMBER: 60/292,515
; PRIOR FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 26
; LENGTH: 8017
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: plasmid pm(DELTA)BB
US-10-152-040-26

Query Match 42.0%; Score 420; DB 14; Length 8017;
Best Local Similarity 100.0%; Pred. No. 7.4e-188;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 582 TTTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 641
Db 4872 TTTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 4931
QY 642 CTGTGTGAATTTGTTATCCGCTCACAATTCACACAAATACGAGCGGAGCATATAAGT 701
Db 4932 CTGTGTGAATTTGTTATCCGCTCACAATTCACACAAATACGAGCGGAGCATATAAGT 4991
QY 702 GTAAAGCCTGGGTGCTTAATGAGTGAGCTAACTCACAATTAATTCGTTGCGCTCACTGC 761
Db 4992 GTAAAGCCTGGGTGCTTAATGAGTGAGCTAACTCACAATTAATTCGTTGCGCTCACTGC 5051
QY 762 CCGCTTTCCAGTCGGGAAACCTGTCGCCAGCTGCAATTAATGAATCGCCAAACGCGCG 821
Db 5052 CCGCTTTCCAGTCGGGAAACCTGTCGCCAGCTGCAATTAATGAATCGCCAAACGCGCG 5111
QY 822 GGAGAGCGGTTTGGCTATTGGCGCTCTTCGCTTCTCGCTCACTGACTCGCTGCGCT 881
Db 5112 GGAGAGCGGTTTGGCTATTGGCGCTCTTCGCTTCTCGCTCACTGACTCGCTGCGCT 5171
QY 882 CGGTCTGCTCGGTCGGGAGCGGTATCAGCTCACTCAAGGCGGTAATCGGTTATCCA 941
Db 5172 CGGTCTGCTCGGTCGGGAGCGGTATCAGCTCACTCAAGGCGGTAATCGGTTATCCA 5231
QY 942 CAGAATCAGGGGATACCGCAGGAAAGACATCTGAGCAAAAGGCGCAGCAAAAGCCAGGA 1001
Db 5232 CAGAATCAGGGGATACCGCAGGAAAGACATCTGAGCAAAAGGCGCAGCAAAAGCCAGGA 5291

RESULT 8

US-10-478-434A-26
; Sequence 26, Application US/10478434A
; Publication No. US20050118566A1
; GENERAL INFORMATION:
; APPLICANT: ESCRIOU, NICOLAS
; APPLICANT: VAN DER WERF, SYLVIE

; APPLICANT: VIGNUZZI, MARCO
; APPLICANT: GERBAUD, SYLVIE
; TITLE OF INVENTION: REPLICONS DERIVED FROM POSITIVE STRAND RNA VIRUS
; TITLE OF INVENTION: GENOMES USEFUL FOR THE PRODUCTION OF HETEROLOGOUS
; FILE REFERENCE: 03495-0296
; CURRENT APPLICATION NUMBER: US/10/478,434A
; CURRENT FILING DATE: 2003-11-21
; PRIOR APPLICATION NUMBER: PCT/IB02/02810
; PRIOR FILING DATE: 2002-05-23
; PRIOR APPLICATION NUMBER: 60/292,515
; PRIOR FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 26
; LENGTH: 8017
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: plasmid sequence
US-10-478-434A-26

Query Match 42.0%; Score 420; DB 21; Length 8017;
Best Local Similarity 100.0%; Pred. No. 7.4e-188;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 582 TTTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 641
Db 4872 TTTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 4931
QY 642 CTGTGTGAATTTGTTATCCGCTCACAATTCACACAAATACGAGCGGAGCATATAAGT 701
Db 4932 CTGTGTGAATTTGTTATCCGCTCACAATTCACACAAATACGAGCGGAGCATATAAGT 4991
QY 702 GTAAAGCCTGGGTGCTTAATGAGTGAGCTAACTCACAATTAATTCGTTGCGCTCACTGC 761
Db 4992 GTAAAGCCTGGGTGCTTAATGAGTGAGCTAACTCACAATTAATTCGTTGCGCTCACTGC 5051
QY 762 CCGCTTTCCAGTCGGGAAACCTGTCGCCAGCTGCAATTAATGAATCGCCAAACGCGCG 821
Db 5052 CCGCTTTCCAGTCGGGAAACCTGTCGCCAGCTGCAATTAATGAATCGCCAAACGCGCG 5111
QY 822 GGAGAGCGGTTTGGCTATTGGCGCTCTTCGCTTCTCGCTCACTGACTCGCTGCGCT 881
Db 5112 GGAGAGCGGTTTGGCTATTGGCGCTCTTCGCTTCTCGCTCACTGACTCGCTGCGCT 5171
QY 882 CGGTCTGCTCGGTCGGGAGCGGTATCAGCTCACTCAAGGCGGTAATCGGTTATCCA 941
Db 5172 CGGTCTGCTCGGTCGGGAGCGGTATCAGCTCACTCAAGGCGGTAATCGGTTATCCA 5231
QY 942 CAGAATCAGGGGATACCGCAGGAAAGACATCTGAGCAAAAGGCGCAGCAAAAGCCAGGA 1001
Db 5232 CAGAATCAGGGGATACCGCAGGAAAGACATCTGAGCAAAAGGCGCAGCAAAAGCCAGGA 5291

RESULT 9

US-10-152-040-27
; Sequence 27, Application US/10152040
; Publication No. US20030077251A1
; GENERAL INFORMATION:
; APPLICANT: ESCRIOU, NICOLAS
; APPLICANT: VAN DER WERF, SYLVIE
; APPLICANT: VIGNUZZI, MARCO
; APPLICANT: GERBAUD, SYLVIE
; TITLE OF INVENTION: REPLICONS DERIVED FROM POSITIVE STRAND RNA VIRUS
; TITLE OF INVENTION: GENOMES USEFUL FOR THE PRODUCTION OF HETEROLOGOUS
; FILE REFERENCE: 03495.0229-00000
; CURRENT APPLICATION NUMBER: US/10/152,040
; CURRENT FILING DATE: 2002-06-27
; PRIOR APPLICATION NUMBER: 60/292,515
; PRIOR FILING DATE: 2001-05-23

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; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 27
; LENGTH: 8092
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: plasmid pm(DELTA)FM
US-10-152-040-27

Query Match      42.0%; Score 420; DB 14; Length 8092;
Best Local Similarity 100.0%; Pred. No. 7.4e-188;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 582 TTTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 641
Db 4947 TTTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 5006

Qy 642 CTGTGTGAAATTTGTTATCCGCTCACAATTCACACAAACATACGAGCCGGAAGCATATAAGT 701
Db 5007 CTGTGTGAAATTTGTTATCCGCTCACAATTCACACAAACATACGAGCCGGAAGCATATAAGT 5066

Qy 702 GTAAAGCCTGGGGTGCCTTAATGAGTGAGCTAACTCACATTAATTTGCGTTCAGTGC 761
Db 5067 GTAAAGCCTGGGGTGCCTTAATGAGTGAGCTAACTCACATTAATTTGCGTTCAGTGC 5126

Qy 762 CCGCTTTCCAGTCGGGAAACCTGTCGTCGAGCTGCAATTAATGAATCGGCCAACCGCGG 821
Db 5127 CCGCTTTCCAGTCGGGAAACCTGTCGTCGAGCTGCAATTAATGAATCGGCCAACCGCGG 5186

Qy 822 GGAGAGCGGTTTCGCTAATTTGGGCGCTCTTCCGCTTCTCGCTCACTCGCTCGCT 881
Db 5187 GGAGAGCGGTTTCGCTAATTTGGGCGCTCTTCCGCTTCTCGCTCACTCGCTCGCT 5246

Qy 882 CCGTTCGTTCCGCTCGCGGAGCGGTATCAGCTCACTCAAAGCGGTAAATCGGTTATCCA 941
Db 5247 CCGTTCGTTCCGCTCGCGGAGCGGTATCAGCTCACTCAAAGCGGTAAATCGGTTATCCA 5306

Qy 942 CAGAATCAGGGGATAACGCCAGGAAAGAAACATGTGAGCAAAAGGCCAGCAAAAGCCAGGA 1001
Db 5307 CAGAATCAGGGGATAACGCCAGGAAAGAAACATGTGAGCAAAAGGCCAGCAAAAGCCAGGA 5366

RESULT 10
US-10-478-434A-27
; Sequence 27, Application US/10478434A
; Publication No. US20050118566A1
; GENERAL INFORMATION:
; APPLICANT: ESCRIOU, NICOLAS
; APPLICANT: VAN DER WERF, SYLVIE
; APPLICANT: VIGNUZZI, MARCO
; APPLICANT: GERBAUD, SYLVIE
; TITLE OF INVENTION: REPLICONS DERIVED FROM POSITIVE STRAND RNA VIRUS
; TITLE OF INVENTION: GENOMES USEFUL FOR THE PRODUCTION OF HETEROLOGOUS
; TITLE OF INVENTION: PROTEINS
; FILE REFERENCE: 03495-0296
; CURRENT APPLICATION NUMBER: US/10/478,434A
; PRIOR FILING DATE: 2003-11-21
; PRIOR FILING DATE: 2002-05-23
; PRIOR FILING DATE: 2002-05-23
; PRIOR FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 27
; LENGTH: 8092
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: plasmid sequence
US-10-478-434A-27

Query Match      42.0%; Score 420; DB 9; Length 8937;
Best Local Similarity 100.0%; Pred. No. 7.4e-188;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 582 TTTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 641
Db 8236 TTTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 8177

Qy 642 CTGTGTGAAATTTGTTATCCGCTCACAATTCACACAAACATACGAGCCGGAAGCATATAAGT 701
Db 8176 CTGTGTGAAATTTGTTATCCGCTCACAATTCACACAAACATACGAGCCGGAAGCATATAAGT 8117

Qy 702 GTAAAGCCTGGGGTGCCTTAATGAGTGAGCTAACTCACATTAATTTGCGTTCAGTGC 761
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Db 8116 GTAAAGCTGGGTTGCTTAATGAGTGAGCTAACTACATTAATTTGGTTGGCTCACTGC 8057
Qy 762 CCGCTTTCCAGTCGGGAAACCTGTGTGTCAGCTGCAATTAATGAATCGGCAACGCGGG 821
Db 8056 CCGCTTTCCAGTCGGGAAACCTGTGTGTCAGCTGCAATTAATGAATCGGCAACGCGGG 7997
Qy 822 GGAGAGCGGTTTGGGTAATGGGGCTCTTCCGCTTCCCTCACTGACTCGCTGGCT 881
Db 7996 GGAGAGCGGTTTGGGTAATGGGGCTCTTCCGCTTCCCTCACTGACTCGCTGGCT 7937
Qy 882 CGGTTCGTTCCGCTCGGCGAGCGGTATCAGCTCACTCAAGGCGGTATACGGTTATCCA 941
Db 7936 CCGTTCGTTCCGCTCGGCGAGCGGTATCAGCTCACTCAAGGCGGTATACGGTTATCCA 7877
Qy 942 CAGAATCAGGGGATAACCGCAAGAAACATGTGAGCAAAAGGCCAGAAAGGCCAGGA 1001
Db 7876 CAGAATCAGGGGATAACCGCAAGAAACATGTGAGCAAAAGGCCAGAAAGGCCAGGA 7817

RESULT 12

US-09-872-733-9/c
; Sequence 9, Application US/09872733
; Patent No. US20010036655A1
; GENERAL INFORMATION:
; APPLICANT: The Government of the United States of America, as
; TITLE OF INVENTION: MOLECULAR CLONES WITH MUTATED HIV GAG/POL, SIV GAG AND
; FILE REFERENCE: 2026-4287US1 HIV GAG/POL, SIV GAG & ENV
; CURRENT APPLICATION NUMBER: US/09/872,733
; PRIOR FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: PCT/US00/34985
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/173,036
; PRIOR FILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 9
; LENGTH: 8937
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: DNA sequence
; OTHER INFORMATION: from transfer construct pmBcMcnLuci
US-09-872-733-9

Query Match 42.0%; Score 420; DB 9; Length 8937;
Best Local Similarity 100.0%; Pred. No. 7.4e-188;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 582 TTGTTCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 641
Db 8236 TTGTTCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 8177
Qy 642 CTGTGTGAATTTGTTATCCGCTCAAAATTCACACAACATACGAGCGGGAAGCATAAAGT 701
Db 8176 CTGTGTGAATTTGTTATCCGCTCAAAATTCACACAACATACGAGCGGGAAGCATAAAGT 8117
Qy 702 GTAAAGCTCGGGTGCCTAATAGTGAGCTAACTACATTAATTTGGTTGGCTCACTGC 761
Db 8116 GTAAAGCTCGGGTGCCTAATAGTGAGCTAACTACATTAATTTGGTTGGCTCACTGC 8057
Qy 762 CCGCTTTCCAGTCGGGAAACCTGTGTGCGAGCTGCAATTAATGAATCGGCAACGCGGG 821
Db 8056 CCGCTTTCCAGTCGGGAAACCTGTGTGCGAGCTGCAATTAATGAATCGGCAACGCGGG 7997
Qy 822 GGAGAGCGGTTTGGGTAATGGGGCTCTTCCGCTTCCCTCACTGACTCGCTGGCT 881
Db 7996 GGAGAGCGGTTTGGGTAATGGGGCTCTTCCGCTTCCCTCACTGACTCGCTGGCT 7937
Qy 882 CCGTTCGTTCCGCTCGGCGAGCGGTATCAGCTCACTCAAAAGCGGTAATACGGTTATCCA 941
Db 7936 CCGTTCGTTCCGCTCGGCGAGCGGTATCAGCTCACTCAAAAGCGGTAATACGGTTATCCA 7877

RESULT 14

US-10-263-020-9/c
; Sequence 9, Application US/10263020
; Publication No. US20030049229A1
; GENERAL INFORMATION:
; APPLICANT: The Government of the United States of America, as

Qy 942 CAGAATCAGGGGATAACCGCAAGAAACATGTGAGCAAAAGGCCAGAAAGGCCAGGA 1001
Db 7876 CAGAATCAGGGGATAACCGCAAGAAACATGTGAGCAAAAGGCCAGAAAGGCCAGGA 7817
RESULT 13
US-10-263-020-8/c
; Sequence 8, Application US/10263020
; Publication No. US20030049229A1
; GENERAL INFORMATION:
; APPLICANT: The Government of the United States of America, as
; TITLE OF INVENTION: MOLECULAR CLONES WITH MUTATED HIV GAG/POL, SIV GAG AND
; FILE REFERENCE: 2026-4287US1 HIV GAG/POL, SIV GAG & ENV
; CURRENT APPLICATION NUMBER: US/10/263,020
; CURRENT FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: US/09/872,733
; PRIOR FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: PCT/US00/34985
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/173,036
; PRIOR FILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 8
; LENGTH: 8937
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: DNA sequence
; OTHER INFORMATION: of transfer construct pmBcMcnLuci
US-10-263-020-8

Query Match 42.0%; Score 420; DB 14; Length 8937;
Best Local Similarity 100.0%; Pred. No. 7.4e-188;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 582 TTGTTCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 641
Db 8236 TTGTTCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 8177
Qy 642 CTGTGTGAATTTGTTATCCGCTCAAAATTCACACAACATACGAGCGGGAAGCATAAAGT 701
Db 8176 CTGTGTGAATTTGTTATCCGCTCAAAATTCACACAACATACGAGCGGGAAGCATAAAGT 8117
Qy 702 GTAAAGCTCGGGTGCCTAATAGTGAGCTAACTACATTAATTTGGTTGGCTCACTGC 761
Db 8116 GTAAAGCTCGGGTGCCTAATAGTGAGCTAACTACATTAATTTGGTTGGCTCACTGC 8057
Qy 762 CCGCTTTCCAGTCGGGAAACCTGTGTGCGAGCTGCAATTAATGAATCGGCAACGCGGG 821
Db 8056 CCGCTTTCCAGTCGGGAAACCTGTGTGCGAGCTGCAATTAATGAATCGGCAACGCGGG 7997
Qy 822 GGAGAGCGGTTTGGGTAATGGGGCTCTTCCGCTTCCCTCACTGACTCGCTGGCT 881
Db 7996 GGAGAGCGGTTTGGGTAATGGGGCTCTTCCGCTTCCCTCACTGACTCGCTGGCT 7937
Qy 882 CCGTTCGTTCCGCTCGGCGAGCGGTATCAGCTCACTCAAAAGCGGTAATACGGTTATCCA 941
Db 7936 CCGTTCGTTCCGCTCGGCGAGCGGTATCAGCTCACTCAAAAGCGGTAATACGGTTATCCA 7877
Qy 942 CAGAATCAGGGGATAACCGCAAGAAACATGTGAGCAAAAGGCCAGAAAGGCCAGGA 1001
Db 7876 CAGAATCAGGGGATAACCGCAAGAAACATGTGAGCAAAAGGCCAGAAAGGCCAGGA 7817

; TITLE OF INVENTION: MOLECULAR CLONES WITH MUTATED HIV GAG/POL, SIV GAG AND
; TITLE OF INVENTION: SIV ENV GENES
; FILE REFERENCE: 2026-4287US1 HIV GAG/POL, SIV GAG & ENV
; CURRENT APPLICATION NUMBER: US/10/263,020
; CURRENT FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: US/09/872,733
; PRIOR FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: PCT/US00/34985
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/173,036
; PRIOR FILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 8937
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: DNA sequence
; OTHER INFORMATION: of transfer construct pmBcMnLuci
US-10-263-020-9

Query Match 42.0%; Score 420; DB 14; Length 8937;
Best Local Similarity 100.0%; Pred. No. 7.4e-188;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 582 TTTCGTTCCCTTTAGTGAGGGTTAATCCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 641
Db 8236 TTTCGTTCCCTTTAGTGAGGGTTAATCCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 8177

Qy 642 CTGTGTGAATTTGTTATCCGCTCAAAATTCACACAAATACGAGCCGGAAGCATATAAGT 701
Db 8176 CTGTGTGAATTTGTTATCCGCTCAAAATTCACACAAATACGAGCCGGAAGCATATAAGT 8117

Qy 702 GTAAAGCTCGGGTGCCTAATGAGTGAGCTAACTCATTAAATTCGCTTTCGCTCACTGC 761
Db 8176 GTAAAGCTCGGGTGCCTAATGAGTGAGCTAACTCATTAAATTCGCTTTCGCTCACTGC 8057

Qy 762 CCGCTTTCCAGTCGGGAAACCTGTCGCCAGCTGCAATTAATGAATCGGCCAACCGCGGG 821
Db 8056 CCGCTTTCCAGTCGGGAAACCTGTCGCCAGCTGCAATTAATGAATCGGCCAACCGCGGG 7997

Qy 822 GGAGAGCGGTTTTCGCTAATTTGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGGGCT 881
Db 7996 GGAGAGCGGTTTTCGCTAATTTGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGGGCT 7937

Qy 882 CGGTCGTTCCGCTCGCGGAGCGGTATCAGCTCACTCAAAGGCGGTAATACGGTTATCCA 941
Db 7936 CGGTCGTTCCGCTCGCGGAGCGGTATCAGCTCACTCAAAGGCGGTAATACGGTTATCCA 7877

Qy 942 CAGAAATCAGGGGATAACCGAGGAAGAACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 1001
Db 7876 CAGAAATCAGGGGATAACCGAGGAAGAACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 7817

RESULT 15

US-10-644-027-8/c
; Sequence 8, Application US/10644027
; Publication No. US2004007757A1
; GENERAL INFORMATION:
; APPLICANT: The Government of the United States of America, as
; TITLE OF INVENTION: MOLECULAR CLONES WITH MUTATED HIV GAG/POL, SIV GAG AND
; TITLE OF INVENTION: SIV ENV GENES
; FILE REFERENCE: 2026-4287US1 HIV GAG/POL, SIV GAG & ENV
; CURRENT APPLICATION NUMBER: US/10/644,027
; CURRENT FILING DATE: 2003-08-19
; PRIOR APPLICATION NUMBER: US/09/872,733A
; PRIOR FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: PCT/US00/34985
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/173,036
; PRIOR FILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 19

; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 8937
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: DNA sequence
; OTHER INFORMATION: of transfer construct pmBcMnLuci
US-10-644-027-8

Query Match 42.0%; Score 420; DB 18; Length 8937;
Best Local Similarity 100.0%; Pred. No. 7.4e-188;
Matches 420; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 582 TTTCGTTCCCTTTAGTGAGGGTTAATCCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 641
Db 8236 TTTCGTTCCCTTTAGTGAGGGTTAATCCGAGCTTGGCGTAAATCATGTGTCATAGCTGTTTC 8177

Qy 642 CTGTGTGAATTTGTTATCCGCTCAAAATTCACACAAATACGAGCCGGAAGCATATAAGT 701
Db 8176 CTGTGTGAATTTGTTATCCGCTCAAAATTCACACAAATACGAGCCGGAAGCATATAAGT 8117

Qy 702 GTAAAGCTCGGGTGCCTAATGAGTGAGCTAACTCATTAAATTCGCTTTCGCTCACTGC 761
Db 8116 GTAAAGCTCGGGTGCCTAATGAGTGAGCTAACTCATTAAATTCGCTTTCGCTCACTGC 8057

Qy 762 CCGCTTTCCAGTCGGGAAACCTGTCGCCAGCTGCAATTAATGAATCGGCCAACCGCGGG 821
Db 8056 CCGCTTTCCAGTCGGGAAACCTGTCGCCAGCTGCAATTAATGAATCGGCCAACCGCGGG 7997

Qy 822 GGAGAGCGGTTTTCGCTAATTTGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGGGCT 881
Db 7996 GGAGAGCGGTTTTCGCTAATTTGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTGGGCT 7937

Qy 882 CGGTCGTTCCGCTCGCGGAGCGGTATCAGCTCACTCAAAGGCGGTAATACGGTTATCCA 941
Db 7936 CGGTCGTTCCGCTCGCGGAGCGGTATCAGCTCACTCAAAGGCGGTAATACGGTTATCCA 7877

Qy 942 CAGAAATCAGGGGATAACCGAGGAAGAACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 1001
Db 7876 CAGAAATCAGGGGATAACCGAGGAAGAACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 7817

Search completed: September 27, 2005, 07:49:26
Job time : 1544.75 secs

Result No.	Score	Query			DB	ID	Description
		Match	Length	%			
C 1	421.2	42.1	7228	2	US-08-850-049-128	Sequence 128, App	
C 2	421.2	42.1	7228	2	US-08-850-049-128	Sequence 128, App	
C 3	421.2	42.1	7228	2	US-08-850-478-128	Sequence 128, App	
C 4	421.2	42.1	7228	2	US-08-850-478-128	Sequence 128, App	
C 5	421.2	42.1	7228	3	US-09-414-117-128	Sequence 128, App	
C 6	421.2	42.1	7228	3	US-09-414-117-128	Sequence 128, App	
C 7	421.2	42.1	7228	3	US-09-678-437-128	Sequence 128, App	
C 8	421.2	42.1	7228	3	US-09-678-437-128	Sequence 128, App	
C 9	421.2	42.1	7228	4	US-09-943-723-128	Sequence 128, App	
C 10	421.2	42.1	7228	4	US-09-943-723-128	Sequence 128, App	
C 11	421.2	42.1	8937	4	US-09-872-733A-8	Sequence 8, Appli	
C 12	421.2	42.1	8937	4	US-09-872-733A-8	Sequence 8, Appli	
C 13	420.8	42.0	3699	3	US-08-646-538-6	Sequence 6, Appli	
C 14	420.8	42.0	3699	3	US-08-646-538-6	Sequence 6, Appli	
C 15	420.8	42.0	4525	2	US-08-613-861-2	Sequence 2, Appli	
C 16	420.8	42.0	4965	3	US-08-675-566-22	Sequence 22, Appl	
C 17	420.8	42.0	5109	3	US-08-675-566-19	Sequence 19, Appl	
C 18	420.8	42.0	6045	3	US-08-675-566-18	Sequence 18, Appl	
C 19	420.8	42.0	6196	3	US-08-675-566-5	Sequence 5, Appli	
C 20	420.8	42.0	6243	3	US-08-675-566-14	Sequence 14, Appl	
C 21	420.8	42.0	6244	3	US-08-675-566-17	Sequence 17, Appl	
C 22	420.8	42.0	6447	3	US-08-675-566-16	Sequence 16, Appl	
C 23	420.8	42.0	6503	3	US-08-675-566-6	Sequence 6, Appli	
C 24	420.8	42.0	6578	3	US-08-675-566-4	Sequence 4, Appli	
C 25	420.8	42.0	6612	3	US-08-675-566-15	Sequence 15, Appl	
C 26	420.8	42.0	6958	3	US-08-675-566-2	Sequence 2, Appli	
C 27	420.8	42.0	6994	3	US-08-675-566-1	Sequence 1, Appli	


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/ CITY: NEW YORK
/ STATE: NEW YORK
/ COUNTRY: USA
/ ZIP: 10154
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: FLOPPY DISK
/ COMPUTER: IBM PC COMPATIBLE
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: WORDPERFECT 5.1
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/050,478
/ FILING DATE: 26-OCT-1994
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: PCT/US93/02908
/ FILING DATE: 29-MAR-1993
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: MORRY, MARY J.
/ REGISTRATION NUMBER: 34,398
/ REFERENCE/DOCKET NUMBER: 2026-4006US1
/ TELEPHONE: (212)758-4800
/ TELEFAX: (212)751-6849
/ INFORMATION FOR SEQ ID NO: 128:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 7228 BASE PAIRS
/ TYPE: NUCLEIC ACID
/ STRANDEDNESS: SINGLE
/ TOPOLOGY: LINEAR
/ US-08-050-478-128

Query Match 42.1%; Score 421.2; DB 2; Length 7228;
Best Local Similarity 99.3%; Pred. No. 2.5e-97;
Matches 423; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 576 GTACCTTTTGTCCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAATCATGTCATAGC 635
DB 6533 GCAGCTTTTGTTCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAATCATGTCATAGC 6474

QY 636 TGTTCCTGTGTAATTTGTTATCCGCTCACAAATCCACAACTACGAGCGGGAAGCA 695
DB 6473 TGTTCCTGTGTAATTTGTTATCCGCTCACAAATCCACAACTACGAGCGGGAAGCA 6414

QY 696 TAAAGTGTAAAGCCTGGGGTGCTTAATGAGTGAGCTAACTCACTAATTAATGCGTTGCGCT 755
DB 6413 TAAAGTGTAAAGCCTGGGGTGCTTAATGAGTGAGCTAACTCACTAATTAATGCGTTGCGCT 6354

QY 756 CACTGCCCGCTTTCAGTCGGGAAACCTGTCTGTCGAGCTGCAATTAATGAATCGGCAAC 815
DB 6353 CACTGCCCGCTTTCAGTCGGGAAACCTGTCTGTCGAGCTGCAATTAATGAATCGGCAAC 6294

QY 816 GCGCGGGAGAGCGGCTTTGCGGTATTTGGCGCTTTCCGCTTCTCCGCTCACTGACTGCG 875
DB 6293 GCGCGGGAGAGCGGCTTTGCGGTATTTGGCGCTTTCCGCTTCTCCGCTCACTGACTGCG 6234

QY 876 TCGCTCGGTTCGCTTCGCGTTCGCGGAGCGGTATCAGCTCACTCAAAAGCGGTAAATACGCT 935
DB 6233 TCGCTCGGTTCGCTTCGCGTTCGCGGAGCGGTATCAGCTCACTCAAAAGCGGTAAATACGCT 6174

QY 936 TATCCACAAATCAGGGGTAACGCAAGAAAGACATGTGACGCAAAAGCCGACGCAAGG 995
DB 6173 TATCCACAAATCAGGGGTAACGCAAGAAAGACATGTGACGCAAAAGCCGACGCAAGG 6114

QY 996 CCAGGA 1001
DB 6113 CCAGGA 6108
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QY 876 TGGCTCGGTCGTTCCGCTCGCGAGCGGTATCAGCTCACTCAAAGGCGGTAAATACGGT 935
DB 6233 TGGCTCGGTCGTTCCGCTCGCGAGCGGTATCAGCTCACTCAAAGGCGGTAAATACGGT 6174
QY 936 TATCCACAGAAATCAGGGGATAACGACAGGAAGAAACATGTGAGCAAAAGGCCAGCAAAAGG 995
DB 6173 TATCCACAGAAATCAGGGGATAACGACAGGAAGAAACATGTGAGCAAAAGGCCAGCAAAAGG 6114
QY 996 CCAGGA 1001
DB 6113 CCAGGA 6108

RESULT 5

US-09-414-117-128/c
; Sequence 128, Application US/09414117
; Patent No. 6291664
; GENERAL INFORMATION:
; APPLICANT:
; APPLICANT:
; APPLICANT:
; TITLE OF INVENTION: METHOD OF ELIMINATING
; INHIBITORY/INSTABILITY REGIONS OF mRNA
; NUMBER OF SEQUENCES: 130
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN
; STREET: 345 PARK AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/414,117
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/02908
; FILING DATE: 29-MAR-1993
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/858,747
; FILING DATE: 27-MAR-1992
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: MORRY, MARY J.
; REGISTRATION NUMBER: 34,398
; REFERENCE/DOCKET NUMBER: 2026-4006US1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)758-4800
; TELEFAX: (212)751-6849
; INFORMATION FOR SEQ ID NO: 128:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7228 BASE PAIRS
; TYPE: NUCLEIC ACID
; STRANDEDNESS: SINGLE
; TOPOLOGY: LINEAR
US-09-414-117-128

Query Match 42.1%; Score 421.2; DB 3; Length 7228;
Best Local Similarity 99.3%; Pred No. 2.5e-97;
Matches 423; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 576 GTACCCCTTTGTTCCCTTTAGTAGGGGTTAAATCCGAGCTTGGCGTAAATCATGTGTCATGCG 635

DB 6533 GCAGCTTTTGTTCCTTTTGTAGTGAGGGTTAAATCCGAGCTTGGCGTAAATCATGTGTCATAGC 6474
QY 636 TGTTCCTCTGTGTGAAATTCGTTATCCGCTCACAATTTCCACACAACATACGAGCCGGAAGCA 695
DB 6473 TGTTCCTCTGTGTGAAATTCGTTATCCGCTCACAATTTCCACACAACATACGAGCCGGAAGCA 6414
QY 696 TAAAGTGTAAAGCCTGGGGTGCTTAATGAGTGAGCTAACTCACATTTAAATTGCGTTCCGCT 755
DB 6413 TAAAGTGTAAAGCCTGGGGTGCTTAATGAGTGAGCTAACTCACATTTAAATTGCGTTCCGCT 6354
QY 756 CACTGCCCGCTTTCCAGTCGGGAAACCTGCTGTCGCCAGCTGCATTAATGAATCGGCCAAC 815
DB 6353 CACTGCCCGCTTTCCAGTCGGGAAACCTGCTGTCGCCAGCTGCATTAATGAATCGGCCAAC 6294
QY 816 GCGCGGGAGAGCGCGTTTTCGCTATTGGGCGCTCTTCCGCTTCTCCGCTCACTGACTCGC 875
DB 6293 GCGCGGGAGAGCGCGTTTTCGCTATTGGGCGCTCTTCCGCTTCTCCGCTCACTGACTCGC 6234
QY 876 TGCCTCGCTCGTTCCGCTGCGCGAGCGGTATCAGCTCACTCAAAGGCGGTAAATACGGT 935
DB 6233 TGCCTCGCTCGTTCCGCTGCGCGAGCGGTATCAGCTCACTCAAAGGCGGTAAATACGGT 6174
QY 936 TATCCACAGAAATCAGGGGATAACGACAGGAAGAAACATGTGAGCAAAAGGCCAGCAAAAGG 995
DB 6173 TATCCACAGAAATCAGGGGATAACGACAGGAAGAAACATGTGAGCAAAAGGCCAGCAAAAGG 6114
QY 996 CCAGGA 1001
DB 6113 CCAGGA 6108

RESULT 6

US-09-414-117-129/c
; Sequence 129, Application US/09414117
; Patent No. 6291664
; GENERAL INFORMATION:
; APPLICANT:
; APPLICANT:
; APPLICANT:
; TITLE OF INVENTION: METHOD OF ELIMINATING
; INHIBITORY/INSTABILITY REGIONS OF mRNA
; NUMBER OF SEQUENCES: 130
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORGAN & FINNEGAN
; STREET: 345 PARK AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/414,117
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/850,049
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/02908
; FILING DATE: 29-MAR-1993
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/858,747
; FILING DATE: 27-MAR-1992
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: MORRY, MARY J.

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/
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/   REGISTRATION NUMBER: 34,398
/   REFERENCE/DOCKET NUMBER: 2026-4006US1
/   TELECOMMUNICATION INFORMATION:
/   TELEPHONE: (212)758-4800
/   TELEFAX: (212)751-6849
/   INFORMATION FOR SEQ ID NO: 129:
/   SEQUENCE CHARACTERISTICS:
/   LENGTH: 7228 BASE PAIRS
/   TYPE: NUCLEIC ACID
/   STRANDEDNESS: SINGLE
/   TOPOLOGY: LINEAR
/
/ US-09-414-117-129
/
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/   Query Match      42.1%; Score 421.2; DB 3; Length 7228;
/   Best Local Similarity 99.3%; Pred. No. 2.5e-97;
/   Matches 423; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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/   QY 576 GTACCTTTGTTCCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAATCATGTCATAGC 635
/   DB 6533 GCAGCTTTTGTTCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAATCATGTCATAGC 6474
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/   QY 636 TGTTCCTGTGTGAATTTGTTATCCGCTCACAAATCCACACATACGAGCGGGAAGCA 695
/   DB 6473 TGTTCCTGTGTGAATTTGTTATCCGCTCACAAATCCACACATACGAGCGGGAAGCA 6414
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/   QY 696 TAAAGTGTAAGCCCTGGGGTGCTTAATGAGTGAGCTAACTCACTAAATGTCGCTTGC 755
/   DB 6413 TAAAGTGTAAGCCCTGGGGTGCTTAATGAGTGAGCTAACTCACTAAATGTCGCTTGC 6354
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/   QY 756 CACTGCCCGCTTCCAGTCGGGAACCTGTGCGCAGCTGCTCAATTAATGAATCGGCCAAC 815
/   DB 6353 CACTGCCCGCTTCCAGTCGGGAACCTGTGCGCAGCTGCTCAATTAATGAATCGGCCAAC 6294
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/   QY 816 GCGCGGGAGAGCGGCTTGGCGTATTGGCGCTCTTCCGCTTCCCTCGCTCACTGACTCGC 875
/   DB 6293 GCGCGGGAGAGCGGCTTGGCGTATTGGCGCTCTTCCGCTTCCCTCGCTCACTGACTCGC 6234
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/   QY 936 TATCCACAGAAATCAGGGATACCGAGGAAGCAATGTGACCAAAAGCCAGCAAAAGG 995
/   DB 6173 TATCCACAGAAATCAGGGATACCGAGGAAGCAATGTGACCAAAAGCCAGCAAAAGG 6114
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/   QY 996 CCAGGA 1001
/   DB 6113 CCAGGA 6108
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/ RESULT 7
/ US-09-437-128/c
/ ; Sequence 128, Application US/09678437
/ ; Patent No. 6414132
/ ; GENERAL INFORMATION:
/ ; APPLICANT: <Unknown>
/ ; TITLE OF INVENTION: METHOD OF ELIMINATING
/ ; INHIBITORY/INSTABILITY REGIONS OF mRNA
/
/ ; NUMBER OF SEQUENCES: 130
/ ; CORRESPONDENCE ADDRESS:
/ ; ADDRESSEE: MORGAN & FINNEGAN
/ ; STREET: 345 PARK AVENUE
/ ; CITY: NEW YORK
/ ; STATE: NEW YORK
/ ; COUNTRY: USA
/ ; ZIP: 10154
/
/ ; COMPUTER READABLE FORM:
/ ; MEDIUM TYPE: FLOPPY DISK
/ ; COMPUTER: IBM PC COMPATIBLE
/ ; OPERATING SYSTEM: PC-DOS/MS-DOS
/ ; SOFTWARE: WORDPERFECT 5.1
/ ; CURRENT APPLICATION DATA: US/09/678,437
/
/
/
/   FILING DATE: 02-Oct-2000
/   CLASSIFICATION: 435
/   PRIOR APPLICATION DATA:
/   APPLICATION NUMBER: 08/850,049
/   FILING DATE: <Unknown>
/   APPLICATION NUMBER: PCT/US93/02908
/   FILING DATE: 29-MAR-1993
/   APPLICATION NUMBER: US 07/858,747
/   FILING DATE: 27-MAR-1992
/   ATTORNEY/AGENT INFORMATION:
/   NAME: MORRIS, MARY J.
/   REGISTRATION NUMBER: 34,398
/   REFERENCE/DOCKET NUMBER: 2026-4006US1
/   TELECOMMUNICATION INFORMATION:
/   TELEPHONE: (212)758-4800
/   TELEFAX: (212)751-6849
/   INFORMATION FOR SEQ ID NO: 128:
/   SEQUENCE CHARACTERISTICS:
/   LENGTH: 7228 BASE PAIRS
/   TYPE: NUCLEIC ACID
/   STRANDEDNESS: SINGLE
/   TOPOLOGY: LINEAR
/   SEQUENCE DESCRIPTION: SEQ ID NO: 128:
/
/ US-09-678-437-128
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/   Query Match      42.1%; Score 421.2; DB 3; Length 7228;
/   Best Local Similarity 99.3%; Pred. No. 2.5e-97;
/   Matches 423; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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/   QY 576 GTACCTTTGTTCCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAATCATGTCATAGC 635
/   DB 6533 GCAGCTTTTGTTCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAATCATGTCATAGC 6474
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/   QY 636 TGTTCCTGTGTGAATTTGTTATCCGCTCACAAATCCACACATACGAGCGGGAAGCA 695
/   DB 6473 TGTTCCTGTGTGAATTTGTTATCCGCTCACAAATCCACACATACGAGCGGGAAGCA 6414
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/   QY 696 TAAAGTGTAAGCCCTGGGGTGCTTAATGAGTGAGCTAACTCACTAAATGTCGCTTGC 755
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/   QY 756 CACTGCCCGCTTCCAGTCGGGAACCTGTGCGCAGCTGCTCAATTAATGAATCGGCCAAC 815
/   DB 6353 CACTGCCCGCTTCCAGTCGGGAACCTGTGCGCAGCTGCTCAATTAATGAATCGGCCAAC 6294
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/   QY 816 GCGCGGGAGAGCGGCTTGGCGTATTGGCGCTCTTCCGCTTCCCTCGCTCACTGACTCGC 875
/   DB 6293 GCGCGGGAGAGCGGCTTGGCGTATTGGCGCTCTTCCGCTTCCCTCGCTCACTGACTCGC 6234
/
/   QY 876 TCGCTCGGCTTCCGCTGCGCGAGCGGTATCAGCTCACTCAAAGCGGTAATACGGT 935
/   DB 6233 TCGCTCGGCTTCCGCTGCGCGAGCGGTATCAGCTCACTCAAAGCGGTAATACGGT 6174
/
/   QY 936 TATCCACAGAAATCAGGGATACCGAGGAAGCAATGTGACCAAAAGCCAGCAAAAGG 995
/   DB 6173 TATCCACAGAAATCAGGGATACCGAGGAAGCAATGTGACCAAAAGCCAGCAAAAGG 6114
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/   QY 996 CCAGGA 1001
/   DB 6113 CCAGGA 6108
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/
/ RESULT 8
/ US-09-437-129/c
/ ; Sequence 129, Application US/09678437
/ ; Patent No. 6414132
/ ; GENERAL INFORMATION:
/ ; APPLICANT: <Unknown>
/ ; TITLE OF INVENTION: METHOD OF ELIMINATING
/ ; INHIBITORY/INSTABILITY REGIONS OF mRNA
/
/ ; NUMBER OF SEQUENCES: 130
/ ; CORRESPONDENCE ADDRESS:
/ ; ADDRESSEE: MORGAN & FINNEGAN
/ ; STREET: 345 PARK AVENUE
/ ; CITY: NEW YORK
/ ; STATE: NEW YORK
/ ; COUNTRY: USA
/ ; ZIP: 10154
/
/ ; COMPUTER READABLE FORM:
/ ; MEDIUM TYPE: FLOPPY DISK
/ ; COMPUTER: IBM PC COMPATIBLE
/ ; OPERATING SYSTEM: PC-DOS/MS-DOS
/ ; SOFTWARE: WORDPERFECT 5.1
/ ; CURRENT APPLICATION DATA: US/09/678,437
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; STREET: 345 PARK AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10154
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: 435
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/850,049
; FILING DATE: <Unknown>
; APPLICATION NUMBER: PCT/US93/02908
; FILING DATE: 29-MAR-1993
; APPLICATION NUMBER: US 07/858,747
; FILING DATE: 27-MAR-1992
;
; ATTORNEY/AGENT INFORMATION:
; NAME: MORRY, MARY J.
; REGISTRATION NUMBER: 34,398
; REFERENCE/DOCKET NUMBER: 2026-4006US1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)758-4800
; TELEFAX: (212)751-6849
;
; INFORMATION FOR SEQ ID NO: 129:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7228 BASE PAIRS
; TYPE: NUCLEIC ACID
; STRANDEDNESS: SINGLE
; TOPOLOGY: LINEAR
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; SEQUENCE DESCRIPTION: SEQ ID NO: 129:
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; US-09-678-437-129
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; Query Match 42.1%; Score 421.2; DB 3; Length 7228;
; Best Local Similarity 99.3%; Pred. No. 2.5e-97;
; Matches 423; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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; QY 576 GTACCCCTTTGTCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTATCATGTCATAGC 635
; DB 6533 GCAGCTTTTGTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTATCATGTCATAGC 6474
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; QY 636 TGTTCCTGTGTGAATTTGTTATCCGCTCAATTCACACAATACGAGCCGGAAGCA 695
; DB 6473 TGTTCCTGTGTGAATTTGTTATCCGCTCAATTCACACAATACGAGCCGGAAGCA 6414
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; QY 696 TAAAGTGTAAAGCCTGGGTGCCTTAATGAGTGAGCTCAATTAATTCGCTTGCCT 755
; DB 6413 TAAAGTGTAAAGCCTGGGTGCCTTAATGAGTGAGCTCAATTAATTCGCTTGCCT 6354
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; Query Match 42.1%; Score 421.2; DB 4; Length 7228;
; Best Local Similarity 99.3%; Pred. No. 2.5e-97;
; Matches 423; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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; QY 576 GTACCCCTTTGTCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTATCATGTCATAGC 635
; DB 6533 GCAGCTTTTGTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTATCATGTCATAGC 6474
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; QY 636 TGTTCCTGTGTGAATTTGTTATCCGCTCAATTCACACAATACGAGCCGGAAGCA 695
; DB 6473 TGTTCCTGTGTGAATTTGTTATCCGCTCAATTCACACAATACGAGCCGGAAGCA 6414
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; QY 696 TAAAGTGTAAAGCCTGGGTGCCTTAATGAGTGAGCTCAATTAATTCGCTTGCCT 755
; DB 6413 TAAAGTGTAAAGCCTGGGTGCCTTAATGAGTGAGCTCAATTAATTCGCTTGCCT 6354
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; QY 756 CACTGCCCGCTTTCAGTCGGGAAACCTGTCGTCGCAAGCTGCAATTAATGAATCGGCCAAC 815
; DB 6353 CACTGCCCGCTTTCAGTCGGGAAACCTGTCGTCGCAAGCTGCAATTAATGAATCGGCCAAC 6294
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; QY 816 GCGCGGGAGAGGCGGTTTGCGTATTTGGGCGCTTTCGCTTTCCTCGCTCACTGACTCGC 875
; DB 6293 GCGCGGGAGAGGCGGTTTGCGTATTTGGGCGCTTTCGCTTTCCTCGCTCACTGACTCGC 6234
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; QY 876 TGCCTCGGTCGTTCCGCTGCGGAGCGGTATCAGCTCACTCAAGGCGGTAATACGCT 935
; DB 6233 TGCCTCGGTCGTTCCGCTGCGGAGCGGTATCAGCTCACTCAAGGCGGTAATACGCT 6174
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; QY 936 TATCCACAGATCAGGGGATAACCCAGGAAAGAACATGTGAGCAAAAGGCCAGCAAGG 995
; DB 6173 TATCCACAGATCAGGGGATAACCCAGGAAAGAACATGTGAGCAAAAGGCCAGCAAGG 6114
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; QY 996 CCAGGA 1001
; DB 6113 CCAGGA 6108

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QY 756 CACTGCCCCCTTCCAGTCGGGAAACCTGTCTGCGCAGCTGCATTAAATGAATCGGCCAAC 815
Db 6353 CACTGCCCCCTTCCAGTCGGGAAACCTGTCTGCGCAGCTGCATTAAATGAATCGGCCAAC 6294
QY 816 GCGCGGGAGAGCGGTTTGGCGTATTGGCGGCTCTTCGCTTCCTCGCTCACTGACTCGC 875
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QY 876 TCGGCTCGGCTCGGCTCGGCGGAGCGGTATCAGCTCACTCAAAAGCGGTAATACGGT 935
Db 6233 TCGGCTCGGCTCGGCTCGGCGGAGCGGTATCAGCTCACTCAAAAGCGGTAATACGGT 6174
QY 936 TATCCACAGAAATCAGGGGATAACGCGAGGAAAGAAACATGTGAGCAAAAGCCAGCAAAAGG 995
Db 6173 TATCCACAGAAATCAGGGGATAACGCGAGGAAAGAAACATGTGAGCAAAAGCCAGCAAAAGG 6114
QY 996 CCAGGA 1001
Db 6113 CCAGGA 6108

RESULT 10
US-09-943-722-129/c
; Sequence 129, Application US/09943722
; Patent No. 6794498
; GENERAL INFORMATION:
; APPLICANT:
; APPLICANT:
; APPLICANT:
; TITLE OF INVENTION: METHOD OF ELIMINATING
; TITLE OF INVENTION: INHIBITORY/INSTABILITY REGIONS OF mRNA
; NUMBER OF SEQUENCES: 130
; CORRESPONDENCE ADDRESS:
; ADDRESS: MORGAN & FINNEGAN
; STREET: 345 PARK AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY DISK
; COMPUTER: IBM PC COMPATIBLE
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/943,722
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/850,049
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/050,478
; FILING DATE: 26-OCT-1994
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/02908
; FILING DATE: 29-MAR-1993
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/858,747
; FILING DATE: 27-MAR-1992
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: MORRIS, MARY J.
; REGISTRATION NUMBER: 34,398
; REFERENCE/DOCKET NUMBER: 2026-4006US1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)751-6840
; TELEFAX: (212)751-6849
; INFORMATION FOR SEQ ID NO: 129:
; SEQUENCE CHARACTERISTICS:

; LENGTH: 7228 BASE PAIRS
; TYPE: NUCLEIC ACID
; STRANDEDNESS: SINGLE
; TOPOLOGY: LINEAR
US-09-943-722-129
Query Match 42.1%; Score 421.2; DB 4; Length 7228;
Best Local Similarity 99.3%; Pred. No. 2.5e-97;
Matches 423; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 576 GTACCCCTTTGTTCCCTTTAGTGAGGGTTAAATTCGAGCTTTGGCGGTAATCATCGTTCATAGC 635
Db 6533 GCAGCTTTTGTTCCTTTTAGTGAGGGTTAAATTCGAGCTTTGGCGGTAATCATCGTTCATAGC 6474
QY 636 TGTTCCTGTGTGAAATTTGTTATCCGCTCACAAATTCACACAAATACGAGCCGGAAGCA 695
Db 6473 TGTTCCTGTGTGAAATTTGTTATCCGCTCACAAATTCACACAAATACGAGCCGGAAGCA 6414
QY 696 TAAAGTGTAAAGCCTGGGGTGCCTTAATGAGTGAGCTAACTACATTAAATTCGTTGCGCT 755
Db 6413 TAAAGTGTAAAGCCTGGGGTGCCTTAATGAGTGAGCTAACTACATTAAATTCGTTGCGCT 6354
QY 756 CACTGCCCGCTTTCAGTTCGGGAAACCTGTCTGCGCAGCTGCATTAAATGAATCGGCCAAC 815
Db 6353 CACTGCCCGCTTTCAGTTCGGGAAACCTGTCTGCGCAGCTGCATTAAATGAATCGGCCAAC 6294
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Db 6293 GCGCGGGAGAGCGGTTTGGCGTATTGGCGGCTCTTCGCTTCCTCGCTCACTGACTCGC 6234
QY 876 TCGGCTCGGCTCGGCTCGGCGGAGCGGTATCAGCTCACTCAAAAGCGGTAATACGGT 935
Db 6233 TCGGCTCGGCTCGGCTCGGCGGAGCGGTATCAGCTCACTCAAAAGCGGTAATACGGT 6174
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QY 996 CCAGGA 1001
Db 6113 CCAGGA 6108

RESULT 11
US-09-872-733A-8/c
; Sequence 8, Application US/09872733A
; Patent No. 6656706
; GENERAL INFORMATION:
; APPLICANT: The Government of the United States of America, as
; TITLE OF INVENTION: MOLECULAR CLONES WITH MUTATED HIV GAG/POL, SIV GAG AND
; TITLE OF INVENTION: SIV ENV GENES
; FILE REFERENCE: 2026-4287US1 HIV GAG/POL,SIV GAG & ENV
; CURRENT APPLICATION NUMBER: US/09/872,733A
; CURRENT FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: PCT/US00/34985
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/173,036
; PRIOR FILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 8937
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: DNA sequence
; OTHER INFORMATION: of transfer construct pmBCwCNIucl
US-09-872-733A-8

Query Match 42.1%; Score 421.2; DB 4; Length 8937;
Best Local Similarity 99.3%; Pred. No. 2.7e-97;
Matches 423; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 576 GTACCCCTTTGTTCCCTTTTGTAGTGAGGTTAAATCCGAGCTTGGCGTAAATCATGTCATAGC 635
DB 8242 GCAGCTTTTGTCCCTTTTGTAGTGAGGTTAAATCCGAGCTTGGCGTAAATCATGTCATAGC 8183
QY 636 TGTTCCTGTGTGAATTTGTTATCCGCTCAATTTCCACACATACGAGCGGGAAGCA 695
DB 8182 TGTTCCTGTGTGAATTTGTTATCCGCTCAATTTCCACACATACGAGCGGGAAGCA 8123
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QY 756 CACTGCCCGCTTTCCAGTCGGGAAACCTGTGCGCCAGCTGCAATTAATGAATCGGCCAAC 815
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QY 816 GCGCGGGGAGAGCGGTTTGGCTATTTGGCGCTCTTCGCTTCCGCTCACTGACTCGC 875
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DB 7822 CCAGGA 7817

RESULT 12

US-09-872-733A-9/c
; Sequence 9, Application US/09872733A
; Patent No. 6656706
; GENERAL INFORMATION:
; APPLICANT: The Government of the United States of America, as
; TITLE OF INVENTION: MOLECULAR CLONES WITH MUTATED HIV GAG/POL, SIV GAG AND
; FILE REFERENCE: 2026-4287US1 HIV GAG/POL, SIV GAG & ENV
; CURRENT FILING DATE: 2001-06-01
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: PCT/US00/34985
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/173,036
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 8937
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: DNA sequence
; OTHER INFORMATION: of transfer construct pm8CmCnclui
US-09-872-733A-9

Query Match 42.1%; Score 421.2; DB 4; Length 8937;
Best Local Similarity 99.3%; Pred. No. 2.7e-97;
Matches 423; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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DB 8242 GCAGCTTTTGTCCCTTTTGTAGTGAGGTTAAATCCGAGCTTGGCGTAAATCATGTCATAGC 8183
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DB 8182 TGTTCCTGTGTGAATTTGTTATCCGCTCAATTTCCACACATACGAGCGGGAAGCA 8123
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DB 7882 TATCCACAGAAATCAGGGGATAACGCGAGGAAAGCAATGTGAGCAAAAGCCAGCAAAAGG 7823
QY 996 CCAGGA 1001
DB 7822 CCAGGA 7817

RESULT 13

US-08-646-538-6
; Sequence 6, Application US/08646538
; Patent No. 6027881
; GENERAL INFORMATION:
; APPLICANT: Pavlakis, George N.
; APPLICANT: Gaitanaris, George A.
; APPLICANT: Stauber, Roland H.
; APPLICANT: Vournakis, John N.
; TITLE OF INVENTION: Mutant Aequorea victoria Fluorescent
; TITLE OF INVENTION: Proteins Having Increased Cellular Fluorescence
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/646,538
; FILING DATE: No. 6027881 yet assigned
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Weber, Kenneth A.
; REGISTRATION NUMBER: 31,677
; REFERENCE/DOCKET NUMBER: 015280-249000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3699 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; FEATURE:
; NAME/KEY: -
; LOCATION: 1..3699
; OTHER INFORMATION: /note= "pBSGFP"
US-08-646-538-6

Query Match 42.0%; Score 420.8; DB 3; Length 3699;
Best Local Similarity 99.5%; Pred. No. 2.4e-97;

Matches 422; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 578 ACCCTTTGTTCCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAATCATGGTCATAGCTG 637
DB 1497 AGCTTTGTTCCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAATCATGGTCATAGCTG 1556

QY 638 TTTCCTGTGTGAAATTTGTTATCCGCTCACAAATCCACACATACGAGCCGGAAGCATA 697
DB 1557 TTTCCTGTGTGAAATTTGTTATCCGCTCACAAATCCACACATACGAGCCGGAAGCATA 1616

QY 698 AAGTGTAAGAGCTGGGGTTCCTTAATCAGTGAGCTAACTCACATTAATTCGTTGGCTCA 757
DB 1617 AAGTGTAAGAGCTGGGGTTCCTTAATCAGTGAGCTAACTCACATTAATTCGTTGGCTCA 1676

QY 758 CTGCCCGCTTTCCAGTCGGGAAACCTGTCGTGCGAGCTGCATTTAATGAATCGCCCAAGC 817
DB 1677 CTGCCCGCTTTCCAGTCGGGAAACCTGTCGTGCGAGCTGCATTTAATGAATCGCCCAAGC 1736

QY 818 GCGGGAGAGCGGTTTGGGTATTTGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTG 877
DB 1737 GCGGGAGAGCGGTTTGGGTATTTGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTG 1796

QY 878 CGCTCGCTGTTCCGCTGCGGAGCGGTATCAGCTCACTCAAAGSCGTTAATACGGTTA 937
DB 1797 CGCTCGCTGTTCCGCTGCGGAGCGGTATCAGCTCACTCAAAGSCGTTAATACGGTTA 1856

QY 938 TCCACAGAAATCAGGGGATAACGAGCAAGAAAGACATGTGAGCAAAAGGCCAGCAAAAGGCC 997
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QY 998 AGGA 1001
DB 1917 AGGA 1920

RESULT 14
US-09-503-222-6
; Sequence 6, Application US/09503222
; Patent No. 6265548
; GENERAL INFORMATION:
; APPLICANT: Pavlakis, George N.
; APPLICANT: Gaitanaris, George A.
; APPLICANT: Stauber, Roland H.
; APPLICANT: Vournakis, John N.
; TITLE OF INVENTION: Mutant Aequorea victoria Fluorescent
; TITLE OF INVENTION: Proteins Having Increased Cellular Fluorescence
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/503,222
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/646,538
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Weber, Kenneth A.
; REGISTRATION NUMBER: 31,677
; REFERENCE/DOCKET NUMBER: 015280-249000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300

; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3699 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLSCULE TYPE: DNA
; FEATURE:
; NAME/KEY: -
; LOCATION: 1..3699
; OTHER INFORMATION: /note= "pBSGFP"
US-09-503-222-6

Query Match 42.0%; Score 420.8; DB 3; Length 3699;
Best Local Similarity 99.5%; Pred. No. 2.4e-97;
Matches 422; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 578 ACCCTTTGTTCCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAATCATGGTCATAGCTG 637
DB 1497 AGCTTTGTTCCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAATCATGGTCATAGCTG 1556

QY 638 TTTCCTGTGTGAAATTTGTTATCCGCTCACAAATCCACACATACGAGCCGGAAGCATA 697
DB 1557 TTTCCTGTGTGAAATTTGTTATCCGCTCACAAATCCACACATACGAGCCGGAAGCATA 1616

QY 698 AAGTGTAAGAGCTGGGGTTCCTTAATCAGTGAGCTAACTCACATTAATTCGTTGGCTCA 757
DB 1617 AAGTGTAAGAGCTGGGGTTCCTTAATCAGTGAGCTAACTCACATTAATTCGTTGGCTCA 1676

QY 758 CTGCCCGCTTTCCAGTCGGGAAACCTGTCGTGCGAGCTGCATTTAATGAATCGCCCAAGC 817
DB 1677 CTGCCCGCTTTCCAGTCGGGAAACCTGTCGTGCGAGCTGCATTTAATGAATCGCCCAAGC 1736

QY 818 GCGGGAGAGCGGTTTGGGTATTTGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTG 877
DB 1737 GCGGGAGAGCGGTTTGGGTATTTGGCGCTCTTCCGCTTCTCGCTCACTGACTCGCTG 1796

QY 878 CGCTCGCTGTTCCGCTGCGGAGCGGTATCAGCTCACTCAAAGSCGTTAATACGGTTA 937
DB 1797 CGCTCGCTGTTCCGCTGCGGAGCGGTATCAGCTCACTCAAAGSCGTTAATACGGTTA 1856

QY 938 TCCACAGAAATCAGGGGATAACGAGCAAGAAAGACATGTGAGCAAAAGGCCAGCAAAAGGCC 997
DB 1857 TCCACAGAAATCAGGGGATAACGAGCAAGAAAGACATGTGAGCAAAAGGCCAGCAAAAGGCC 1916

QY 998 AGGA 1001
DB 1917 AGGA 1920

RESULT 15
US-08-613-861-2/c
; Sequence 2, Application US/08613861
; Patent No. 5843770
; GENERAL INFORMATION:
; APPLICANT: Ili, Charles R. et al.
; TITLE OF INVENTION: Antisense Constructs Directed Against Viral Post-Transcriptio
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 60 State Street, suite 510
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/613,861
; FILING DATE: 13-APR-1994

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;
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/111,111
; FILING DATE: 12-DEC-1909
; ATTORNEY/AGENT INFORMATION:
; NAME: Attorney, Name Init
; REGISTRATION NUMBER: 000000
; REFERENCE/DOCKET NUMBER: oe
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)227-5941
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4525 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; US-08-613-861-2

Query Match      42.0%; Score 420.8; DB 2; Length 4525;
Best Local Similarity 99.5%; Pred. No. 2.6e-97;
Matches 422; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 578 ACCCTTTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAATCATGTCATAGCTG 637
Db      |||||||
Qy 638 TTTCCTGTGTGAATTTGTTATCCGCTCACAAATTCACACAAACATACGAGCCGGAAGCAT 697
Db      |||||||
Qy 698 AAGTGAAGCTGGGGTGCTTAATGAGTGAGCTAACTCACATTTAATTGGTTGCGCTCA 757
Db      |||||||
Qy 758 CTGCCCGCTTTCCAGTCGGGAAACCTCTCGTGCCAGCTGCATTAAATGAATCGGCCAACGC 817
Db      |||||||
Qy 818 GCGGGGAGAGCGGTTTGGCGTATTTGGCGGCTCTTCCGCTTCTCGCTCACTGACTGCTG 877
Db      |||||||
Qy 878 CGCTCGGTCTGTTGGCTGCGCGAGCGGTATCAGCTCACTCAAAGCGGTAAATACGGTTA 937
Db      |||||||
Qy 938 TCCACAGAATCAGGGGATAACGACGAAAGAACATGTGAGCAAAAGGCCACGAAAGGCC 997
Db      |||||||
Qy 998 AGGA 1001
Db      ||||
Qy 1001 AGGA 1780
Db      |||||
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Search completed: September 26, 2005, 09:36:07
Job time : 232.731 secs

	Query Match	100.0%	Score 1001;	DB 9;	Length 32745;
	Best Local Similarity	100.0%;	Pred. No. 5.3e-219;		
	Matches 1001;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	TAAAACTCAAAGCATCTTCTTCCTATTAAAAAGAAAAGTGTTC	CAAAATTATATTAGA	60	
Db	29000	TAAAACTCAAAGCATCTTCTTCCTATTAAAAAGAAAAGTGTTC	CAAAATTATATTAGA	29059	
QY	61	CTCTAACCAAAAAAATTCAAATAC	TTTTTCTTTTATAATGTATTAAGAAATAAAAAATATA	120	

Db 29060 CTCTAACCAAAAAATTCAAATCTTTTCTTTTATATGATGATTAAGAAATAAAATATA 29119
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Db 29120 CTCACCGTTTAAAGTAGAAGCTTAAAGTAGATTAATATTAATATCAAGTAGAGCTGAACAACGA 29179
Qy 181 CAGCCGATTTACGCGGAGCAAAATTAAGAAAGTAAAGAGTCAAAACCAACACGATGAGGA 240
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Db 29300 AACTTCGCGCGGTGCGATTAAGAAAGTAAAGAGTAAAGAGTCAAAACCAACACGATGAGGT 29359
Qy 361 AAAAAATTCAGAAAAACAGAAAGCAAAATCTAAATCTGCTATTGGCAAAATAAGAAAA 420
Db 29360 AAAAAATTCAGAAAAACAGAAAGCAAAATCTAAATCTGCTATTGGCAAAATAAGAAAA 29419
Qy 421 ATTTCAAAACCATATTTCCAAAGGAAGAAAGCAATCATACCGTAGAAGAACTTGAAGGCG 480
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Qy 481 ACCGCAAAAGTGTCCCGTACCAACAGTCAACAGGCAACCCACCTGGGAAACCCACAC 540
Db 29480 ACCGCAAAAGTGTCCCGTACCAACAGTCAACAGGCAACCCACCTGGGAAACCCACAC 29539
Qy 541 GCCCGCGCTCTGTGCAACGTTATATATGAAATAGGTACCCCTTTGTTCCCTTTAGTAGG 600
Db 29540 GCCCGCGCTCTGTGCAACGTTATATATGAAATAGGTACCCCTTTGTTCCCTTTAGTAGG 29599
Qy 601 GTTAATTCGAGCTTGGCGTAATCAATGCTATAGCTGTTTCCCTGTTGTAATTTGTTATCC 660
Db 29600 GTTAATTCGAGCTTGGCGTAATCAATGCTATAGCTGTTTCCCTGTTGTAATTTGTTATCC 29659
Qy 661 GCTCACAATTTCCACAAACATACGAGCGGAAGCAATAAGTGTAAAGCTTGGGTCGCTA 720
Db 29660 GCTCACAATTTCCACAAACATACGAGCGGAAGCAATAAGTGTAAAGCTTGGGTCGCTA 29719
Qy 721 ATAGTAGAGTAACTCAATTAATTTGGTTTGGCTCACTGCCCGCTTTTCCAGTCCGGAAA 780
Db 29720 ATAGTAGAGTAACTCAATTAATTTGGTTTGGCTCACTGCCCGCTTTTCCAGTCCGGAAA 29779
Qy 781 CTTGTGTCGAGTGCATTAATGAATCGGCCAAACGCGCGGGGAGAGCGGTTTGGGTAT 840
Db 29780 CTTGTGTCGAGTGCATTAATGAATCGGCCAAACGCGCGGGGAGAGCGGTTTGGGTAT 29839
Qy 841 TGGGCGCTCTTCCGCTTCCCTGCTCACTGACTCGCTCGCTCGCTCGCTCGCTCGCTCGCGG 900
Db 29840 TGGGCGCTCTTCCGCTTCCCTGCTCACTGACTCGCTCGCTCGCTCGCTCGCTCGCTCGCGG 29899
Qy 901 AGCGGTATCAGTCACTCAAAAGCGGTAATACGGTTATCCACAGAAATCAGGGGATAACGC 960
Db 29900 AGCGGTATCAGTCACTCAAAAGCGGTAATACGGTTATCCACAGAAATCAGGGGATAACGC 29959
Qy 961 AGGAAGAAATGTGAGCAAAAGGCCAGCAAGAAAGGCCAGGA 1001
Db 29960 AGGAAGAAATGTGAGCAAAAGGCCAGCAAGAAAGGCCAGGA 30000

RESULT 2
US-09-464-767-1
; Sequence 1, Application US/09464767
; Patent No. US20020045249A1
; GENERAL INFORMATION:
; APPLICANT: Both, Gerald
; APPLICANT: Boyle, David
; APPLICANT: Vratil, Sudhanshu
; TITLE OF INVENTION: DNA Encoding Ovine Adenovirus (OAV287) and Its Use as a Viral Vec
; FILE REFERENCE: 50179-073

; CURRENT APPLICATION NUMBER: US/09/464,767
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 29544
; TYPE: DNA
; ORGANISM: Ovine adenovirus
US-09-464-767-1

Query Match 57.4%; Score 575; DB 9; Length 29544;
Best Local Similarity 100.0%; Pred. No. 3.5e-121; Indels 0; Gaps 0;
Matches 575; Conservative 0; Mismatches 0;

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Qy 361 AAAAAATTCAGAAAAACAGAAAGCAAAATCTAAATCTGCTATTGGCAAAATAAGAAAA 420
Db 29330 AAAAAATTCAGAAAAACAGAAAGCAAAATCTAAATCTGCTATTGGCAAAATAAGAAAA 29389
Qy 421 ATTTCAAAACCATATTTCCAAAGGAAGAAAGCAATCATACCGTAGAAGAACTTGAAGGCG 480
Db 29390 ATTTCAAAACCATATTTCCAAAGGAAGAAAGCAATCATACCGTAGAAGAACTTGAAGGCG 29449
Qy 481 ACAGCAAAAGCTGCTCCCGTACCAACAGCTCAACGCGCACACCCACCTGGGAAACCCACAC 540
Db 29450 ACAGCAAAAGCTGCTCCCGTACCAACAGCTCAACGCGCACACCCACCTGGGAAACCCACAC 29509
Qy 541 GCCCGCGCTCTGTGCAACGTTATATATATGAATAG 575
Db 29510 GCCCGCGCTCTGTGCAACGTTATATATGAATAG 29544

RESULT 3
US-10-685-837-4/c
; Sequence 4, Application US/10685837
; Publication No. US20050071893A1
; GENERAL INFORMATION:
; APPLICANT: Seibler, Joab
; APPLICANT: Schwenk, Frieder
; APPLICANT: Kuhn, Ralf
; APPLICANT: Kuter-Luks, Birgit
; TITLE OF INVENTION: siRNA mediated gene silencing in transgenic animals
; FILE REFERENCE: 022698us JH/BM
; CURRENT APPLICATION NUMBER: US/10/685,837
; CURRENT FILING DATE: 2003-10-15
; PRIOR APPLICATION NUMBER: US60/420,476
; PRIOR FILING DATE: 2002-10-22
; PRIOR APPLICATION NUMBER: US60/467,814
; PRIOR FILING DATE: 2003-05-03
; PRIOR APPLICATION NUMBER: US60/485,969

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; PRIOR FILING DATE: 2003-07-03
; PRIOR APPLICATION NUMBER: 02023283.1
; PRIOR FILING DATE: 2002-10-17
; NUMBER OF SEQ ID NOS: 220
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 14947
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Targeting
; OTHER INFORMATION: vector for Rosa26 locus with a Fluc-hygro insert
US-10-685-837-4

Query Match          42.2%; Score 422; DB 21; Length 14947;
Best Local Similarity 95.6%; Pred. No. 3.7e-86;
Matches 434; Conservative 0; Mismatches 20; Indels 0; Gaps 0;

QY 548 CTCGTGCAACGTTATATATATAGTACACCTTTGTTCCCTTTAGTGAGGGTTAAATT 607
DB 14942 CTCTATGGCCATCGATATCTAGATCTCGACAGCTTTTGTTCCTTTAGTGAGGGTTAAATT 14883

QY 608 CGAGCTTGGCGTAATCATGTCATAGCTGTTTCTGTGTGAATTTGTTATCCGCTCACA 667
DB 14882 GCGCGCTTGGCGTAATCATGTCATAGCTGTTTCTGTGTGAATTTGTTATCCGCTCACA 14823

QY 668 ATTCACACAAATACGAGCCGGAAGCATAAAGTGTAAAGCCTGGGGTGCCCTAAATGAGTG 727
DB 14822 ATTCACACAAATACGAGCCGGAAGCATAAAGTGTAAAGCCTGGGGTGCCCTAAATGAGTG 14763

QY 728 AGCTAACTCACATTAATTCGGTTGGCTCACTGCCCGCTTTCAGTCGGGAAACCTGTGCG 787
DB 14762 AGCTAACTCACATTAATTCGGTTGGCTCACTGCCCGCTTTCAGTCGGGAAACCTGTGCG 14703

QY 788 TGCCAGCTGCATTAATGAATCGGCCAAACGCGGGGGAGAGCGGTTTTCGTTATTCGGGCGC 847
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QY 848 TCTTCGGCTTCTCGCTCACTGACTCGCTCGCTCGCTCGCTCGCTCGCTCGCTCGCTCGCTCG 907
DB 14642 TCTTCGGCTTCTCGCTCACTGACTCGCTCGCTCGCTCGCTCGCTCGCTCGCTCGCTCGCTCG 14583

QY 908 TCAGCTCACTCAAGGCGGTAATACGGTTATCCACAGAAATCAGGGGATTAACCGCAGGAAG 967
DB 14582 TCAGCTCACTCAAGGCGGTAATACGGTTATCCACAGAAATCAGGGGATTAACCGCAGGAAG 14523

QY 968 AACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 1001
DB 14522 AACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 14489

RESULT 4
US-10-685-837-8/c
; Sequence 8, Application US/10685837
; Publication No. US20050071893A1
; GENERAL INFORMATION:
; APPLICANT: Seibler, Jost
; APPLICANT: Schwenk, Frieder
; APPLICANT: Kuhn, Ralf
; APPLICANT: Kuter-Luks, Birgit
; TITLE OF INVENTION: siRNA mediated gene silencing in transgenic animals
; FILE REFERENCE: 022698us JH/BM
; CURRENT APPLICATION NUMBER: US/10/685,837
; PRIOR FILING DATE: 2003-10-15
; PRIOR APPLICATION NUMBER: US60/420,476
; PRIOR FILING DATE: 2002-10-22
; PRIOR APPLICATION NUMBER: US60/467,814
; PRIOR FILING DATE: 2003-05-03
; PRIOR APPLICATION NUMBER: US60/485,969
; PRIOR FILING DATE: 2003-07-03
; PRIOR APPLICATION NUMBER: 02023283.1
; NUMBER OF SEQ ID NOS: 220
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
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; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 15174
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Targeting
; OTHER INFORMATION: vector for Rosa26 locus with a Fluc-U6-shRNA neo
US-10-685-837-8

Query Match          42.2%; Score 422; DB 21; Length 15174;
Best Local Similarity 95.6%; Pred. No. 3.7e-86;
Matches 434; Conservative 0; Mismatches 20; Indels 0; Gaps 0;

QY 548 CTCGTGCAACGTTATATATATAGTACACCTTTGTTCCCTTTAGTGAGGGTTAAATT 607
DB 15169 CTCTATGGCCATCGATATCTAGATCTCGACAGCTTTTGTTCCTTTAGTGAGGGTTAAATT 15110

QY 608 CGAGCTTGGCGTAATCATGTCATAGCTGTTTCTGTGTGAATTTGTTATCCGCTCACA 667
DB 15109 GCGCGCTTGGCGTAATCATGTCATAGCTGTTTCTGTGTGAATTTGTTATCCGCTCACA 15050

QY 668 ATTCACACAAATACGAGCCGGAAGCATAAAGTGTAAAGCCTGGGGTGCCCTAAATGAGTG 727
DB 15049 ATTCACACAAATACGAGCCGGAAGCATAAAGTGTAAAGCCTGGGGTGCCCTAAATGAGTG 14990

QY 728 AGCTAACTCACATTAATTCGGTTGGCTCACTGCCCGCTTTCAGTCGGGAAACCTGTGCG 787
DB 14989 AGCTAACTCACATTAATTCGGTTGGCTCACTGCCCGCTTTCAGTCGGGAAACCTGTGCG 14930

QY 788 TGCCAGCTGCATTAATGAATCGGCCAAACGCGGGGGAGAGCGGTTTTCGTTATTCGGGCGC 847
DB 14929 TGCCAGCTGCATTAATGAATCGGCCAAACGCGGGGGAGAGCGGTTTTCGTTATTCGGGCGC 14870

QY 848 TCTTCGGCTTCTCGCTCACTGACTCGCTCGCTCGCTCGCTCGCTCGCTCGCTCGCTCGCTCG 907
DB 14869 TCTTCGGCTTCTCGCTCACTGACTCGCTCGCTCGCTCGCTCGCTCGCTCGCTCGCTCGCTCG 14810

QY 908 TCAGCTCACTCAAGGCGGTAATACGGTTATCCACAGAAATCAGGGGATTAACCGCAGGAAG 967
DB 14809 TCAGCTCACTCAAGGCGGTAATACGGTTATCCACAGAAATCAGGGGATTAACCGCAGGAAG 14750

QY 968 AACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 1001
DB 14749 AACATGTGAGCAAAAGGCCAGCAAAAGGCCAGGA 14716

RESULT 5
US-10-685-837-6/c
; Sequence 6, Application US/10685837
; Publication No. US20050071893A1
; GENERAL INFORMATION:
; APPLICANT: Seibler, Jost
; APPLICANT: Schwenk, Frieder
; APPLICANT: Kuhn, Ralf
; APPLICANT: Kuter-Luks, Birgit
; TITLE OF INVENTION: siRNA mediated gene silencing in transgenic animals
; FILE REFERENCE: 022698us JH/BM
; CURRENT APPLICATION NUMBER: US/10/685,837
; PRIOR FILING DATE: 2003-10-15
; PRIOR APPLICATION NUMBER: US60/420,476
; PRIOR FILING DATE: 2002-10-22
; PRIOR APPLICATION NUMBER: US60/467,814
; PRIOR FILING DATE: 2003-05-03
; PRIOR APPLICATION NUMBER: US60/485,969
; PRIOR FILING DATE: 2003-07-03
; PRIOR APPLICATION NUMBER: 02023283.1
; NUMBER OF SEQ ID NOS: 220
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 15199
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[illegible]

Db 6293 GCGGGGAGAGCGGTTTGGTATTGGGCGCTCTTCCGCTCTCCTCGCTCACTGACTCGC 6234
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Db 6233 TGGCTCGTCTGTTCCGCTGCGGAGCGGTATCAGCTCACTCAAAGCGGTAAATACGGT 6174
Qy 936 TATCCACAGAAATCAGGGGATAACGACGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGG 995
Db 6173 TATCCACAGAAATCAGGGGATAACGACGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGG 6114
Qy 996 CCAGGA 1001
Db 6113 CCAGGA 6108
RESULT 9
US-10-480-793-6/c
; Sequence 6, Application US/10480793
; Publication No. US20040241181A1
; GENERAL INFORMATION:
; APPLICANT: The Wistar Institute of Anatomy and Biology
; APPLICANT: The Trustees of The University of Pennsylvania
; APPLICANT: Ertl, Hildegund C.J.
; APPLICANT: Wilson, James M.
; TITLE OF INVENTION: Methods of Inducing a Cytotoxic Immune Response and Recombinant S
; FILE REFERENCE: Adenovirus Compositions Useful Therein
; CURRENT APPLICATION NUMBER: US/10/480,793
; PRIOR FILING DATE: 2003-12-19
; PRIOR FILING DATE: 2001-06-22
; PRIOR FILING DATE: 2001-06-22
; PRIOR FILING DATE: 2001-07-12
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 7228
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Modified HIV-1 gag sequence
; NAME/KEY: CDS
; LOCATION: (729)..(1820)
; OTHER INFORMATION:
US-10-480-793-6
Query Match 42.1%; Score 421.2; DB 20; Length 7228;
Best Local Similarity 99.3%; Pred. No. 4.1e-86;
Matches 423; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 576 GTACCCCTTTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTGTCATAGC 635
Db 6533 GCAGCTTTTGTCTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTGTCATAGC 6474
Qy 636 TGTTCCTGTGTAATTTGTTATCCGCTCAAAATTCACACAAATACAGAGCGGGAAGCA 695
Db 6473 TGTTCCTGTGTAATTTGTTATCCGCTCAAAATTCACACAAATACAGAGCGGGAAGCA 6414
Qy 696 TAAAGTGTAAGCTCGGGTGCTTAATGAGTGAGCTAACTCAATTAATTTGCGTTGCGCT 755
Db 6413 TAAAGTGTAAGCTCGGGTGCTTAATGAGTGAGCTAACTCAATTAATTTGCGTTGCGCT 6354
Qy 756 CACTGCCGCTTTCAGTCGGGAACCTGTCGTCAGCTGCAATTAATGAATCGGCCAAC 815
Db 6353 CACTGCCGCTTTCAGTCGGGAACCTGTCGTCAGCTGCAATTAATGAATCGGCCAAC 6294
Qy 816 GCGGGGAGAGCGGTTTGGTATTGGGGCTCTTCCGCTTCTCGCTCACTGACTCGC 875
Db 6293 GCGGGGAGAGCGGTTTGGTATTGGGGCTCTTCCGCTTCTCGCTCACTGACTCGC 6234
Qy 876 TGGCTCGTCTGTTCCGCTGCGGAGCGGTATCAGCTCACTCAAAGCGGTAAATACGGT 935

Db 6233 TGGCTCGTCTGTTCCGCTGCGGCGAGCGGTATCAGCTCACTCAAAGCGGTAAATACGGT 6174
Qy 936 TATCCACAGAAATCAGGGGATAACGACGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGG 995
Db 6173 TATCCACAGAAATCAGGGGATAACGACGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGG 6114
Qy 996 CCAGGA 1001
Db 6113 CCAGGA 6108
RESULT 10
US-09-872-733-8/c
; Sequence 8, Application US/09872733
; Patent No. US20010036655A1
; GENERAL INFORMATION:
; APPLICANT: The Government of the United States of America, as
; TITLE OF INVENTION: MOLECULAR CLONES WITH MUTATED HIV GAG/POL, SIV GAG AND
; FILE REFERENCE: SIV ENV GENES
; FILE REFERENCE: 2026-4287US1 HIV GAG/POL,SIV GAG & ENV
; CURRENT APPLICATION NUMBER: US/09/872,733
; CURRENT FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: PCT/US00/34985
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/173,036
; PRIOR FILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 8937
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: DNA sequence
; OTHER INFORMATION: of transfer construc pmBwCnLuci
US-09-872-733-8
Query Match 42.1%; Score 421.2; DB 9; Length 8937;
Best Local Similarity 99.3%; Pred. No. 4.5e-86;
Matches 423; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 576 GTACCCCTTTGTTCCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTGTCATAGC 635
Db 8242 GCAGCTTTTGTTCCTTTAGTGAGGGTTAATTCGAGCTTGGCGTAAATCATGTGTCATAGC 8183
Qy 636 TGTTCCTGTGTAATTTGTTATCCGCTCAAAATTCACACAAATACAGAGCGGGAAGCA 695
Db 8182 TGTTCCTGTGTAATTTGTTATCCGCTCAAAATTCACACAAATACAGAGCGGGAAGCA 8123
Qy 696 TAAAGTGTAAGCTCGGGTGCTTAATGAGTGAGCTAACTCAATTAATTTGCGTTGCGCT 755
Db 8122 TAAAGTGTAAGCTCGGGTGCTTAATGAGTGAGCTAACTCAATTAATTTGCGTTGCGCT 8063
Qy 756 CACTGCCGCTTTCAGTCGGGAACCTGTCGTCAGCTGCAATTAATGAATCGGCCAAC 815
Db 8062 CACTGCCGCTTTCAGTCGGGAACCTGTCGTCAGCTGCAATTAATGAATCGGCCAAC 8003
Qy 816 GCGGGGAGAGCGGTTTGGTATTGGGGCTCTTCCGCTTCTCGCTCACTGACTCGC 875
Db 8002 GCGGGGAGAGCGGTTTGGTATTGGGGCTCTTCCGCTTCTCGCTCACTGACTCGC 7943
Qy 876 TGGCTCGTCTGTTCCGCTGCGGCGAGCGGTATCAGCTCACTCAAAGCGGTAAATACGGT 935
Db 7942 TGGCTCGTCTGTTCCGCTGCGGCGAGCGGTATCAGCTCACTCAAAGCGGTAAATACGGT 7883
Qy 936 TATCCACAGAAATCAGGGGATAACGACGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGG 995
Db 7882 TATCCACAGAAATCAGGGGATAACGACGAAAGAACATGTGAGCAAAAGGCCAGCAAAAGG 7823
Qy 996 CCAGGA 1001
Db 7822 CCAGGA 7817

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RESULT 11
US-09-872-733-9/c
; Sequence 9, Application US/09872733
; Patent No. US2001003655A1
; GENERAL INFORMATION:
; APPLICANT: The Government of the United States of America, as
; TITLE OF INVENTION: MOLECULAR CLONES WITH MUTATED HIV GAG/POL, SIV GAG AND
; FILE REFERENCE: 2026-4287US1 HIV GAG/POL, SIV GAG & ENV
; CURRENT APPLICATION NUMBER: US/09/872,733
; CURRENT FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: PCT/US00/34985
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/173,036
; PRIOR FILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 8937
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: DNA sequence
; OTHER INFORMATION: from transfer construct pmBmCnLuci
US-09-872-733-9

Query Match 42.1%; Score 421.2; DB 9; Length 8937;
Best Local Similarity 99.3%; Pred. No. 4.5e-86;
Matches 423; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 576 GTACCCCTTTGTTCCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAATCATGGTCATAGC 635
Db 8242 GCAGCTTTTGTTCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAATCATGGTCATAGC 8183

QY 636 TGTTCCTCTGTGAAATTTGTTATCCGCTCACAAATTCACACATACAGCGCGGAAGCA 695
Db 8182 TGTTCCTCTGTGAAATTTGTTATCCGCTCACAAATTCACACATACAGCGCGGAAGCA 8123

QY 696 TAAAGTGTAAGCCCTGGGCTGCTTAATGAGTGAGCTTAATCATTAATTTGGTTGCGCT 755
Db 8122 TAAAGTGTAAGCCCTGGGCTGCTTAATGAGTGAGCTTAATCATTAATTTGGTTGCGCT 8063

QY 756 CACTGCCCGCTTTCCAGTCGGGAACCTGTCGCGAGCTGATCAATTAATGAATCGGCCAAC 815
Db 8062 CACTGCCCGCTTTCCAGTCGGGAACCTGTCGCGAGCTGATCAATTAATGAATCGGCCAAC 8003

QY 816 GCGCGGGGAGAGCGGCTTTGCGGTATTGGGGCTCTTCCGCTTCTCGCTCACTGACTCGC 875
Db 8002 GCGCGGGGAGAGCGGCTTTGCGGTATTGGGGCTCTTCCGCTTCTCGCTCACTGACTCGC 7943

QY 876 TCGCTCGGTCGGTTCGGCTGCGGCGAGCGGTATCAGCTCACTCAAAAGGCGGTAAATACGGT 935
Db 7942 TCGCTCGGTCGGTTCGGCTGCGGCGAGCGGTATCAGCTCACTCAAAAGGCGGTAAATACGGT 7883

QY 936 TATCCACAGAAATCAGGGGATTAACGAGGAAGAACATCTGAGCAAAAGCCAGCAAAAGG 995
Db 7882 TATCCACAGAAATCAGGGGATTAACGAGGAAGAACATCTGAGCAAAAGCCAGCAAAAGG 7823

QY 996 CCAGGA 1001
Db 7822 CCAGGA 7817

RESULT 12
US-10-263-020-8/c
; Sequence 8, Application US/10263020
; Publication No. US20030049229A1
; GENERAL INFORMATION:
; APPLICANT: The Government of the United States of America, as
; TITLE OF INVENTION: MOLECULAR CLONES WITH MUTATED HIV GAG/POL, SIV GAG AND
; FILE REFERENCE: 2026-4287US1 HIV GAG/POL, SIV GAG & ENV
; CURRENT APPLICATION NUMBER: US/10/263,020
; CURRENT FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: US/09/872,733
; PRIOR FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: PCT/US00/34985
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/173,036
; PRIOR FILING DATE: 1999-12-23
; FILE REFERENCE: 2026-4287US1 HIV GAG/POL, SIV GAG & ENV
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; CURRENT APPLICATION NUMBER: US/10/263,020
; CURRENT FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: US/09/872,733
; PRIOR FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: PCT/US00/34985
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/173,036
; PRIOR FILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 8937
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: DNA sequence
; OTHER INFORMATION: of transfer construct pmBmCnLuci
US-10-263-020-8

Query Match 42.1%; Score 421.2; DB 14; Length 8937;
Best Local Similarity 99.3%; Pred. No. 4.5e-86;
Matches 423; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 576 GTACCCCTTTGTTCCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAATCATGGTCATAGC 635
Db 8242 GCAGCTTTTGTTCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAATCATGGTCATAGC 8183

QY 636 TGTTCCTCTGTGAAATTTGTTATCCGCTCACAAATTCACACATACAGCGCGGAAGCA 695
Db 8182 TGTTCCTCTGTGAAATTTGTTATCCGCTCACAAATTCACACATACAGCGCGGAAGCA 8123

QY 696 TAAAGTGTAAGCCCTGGGCTGCTTAATGAGTGAGCTTAATCATTAATTTGGTTGCGCT 755
Db 8122 TAAAGTGTAAGCCCTGGGCTGCTTAATGAGTGAGCTTAATCATTAATTTGGTTGCGCT 8063

QY 756 CACTGCCCGCTTTCCAGTCGGGAACCTGTCGCGAGCTGATCAATTAATGAATCGGCCAAC 815
Db 8062 CACTGCCCGCTTTCCAGTCGGGAACCTGTCGCGAGCTGATCAATTAATGAATCGGCCAAC 8003

QY 816 GCGCGGGGAGAGCGGCTTTGCGGTATTGGGGCTCTTCCGCTTCTCGCTCACTGACTCGC 875
Db 8002 GCGCGGGGAGAGCGGCTTTGCGGTATTGGGGCTCTTCCGCTTCTCGCTCACTGACTCGC 7943

QY 876 TCGCTCGGTCGGTTCGGCTGCGGCGAGCGGTATCAGCTCACTCAAAAGGCGGTAAATACGGT 935
Db 7942 TCGCTCGGTCGGTTCGGCTGCGGCGAGCGGTATCAGCTCACTCAAAAGGCGGTAAATACGGT 7883

QY 936 TATCCACAGAAATCAGGGGATTAACGAGGAAGAACATCTGAGCAAAAGCCAGCAAAAGG 995
Db 7882 TATCCACAGAAATCAGGGGATTAACGAGGAAGAACATCTGAGCAAAAGCCAGCAAAAGG 7823

QY 996 CCAGGA 1001
Db 7822 CCAGGA 7817

RESULT 13
US-10-263-020-9/c
; Sequence 9, Application US/10263020
; Publication No. US20030049229A1
; GENERAL INFORMATION:
; APPLICANT: The Government of the United States of America, as
; TITLE OF INVENTION: MOLECULAR CLONES WITH MUTATED HIV GAG/POL, SIV GAG AND
; FILE REFERENCE: 2026-4287US1 HIV GAG/POL, SIV GAG & ENV
; CURRENT APPLICATION NUMBER: US/10/263,020
; CURRENT FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: US/09/872,733
; PRIOR FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: PCT/US00/34985
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/173,036
; PRIOR FILING DATE: 1999-12-23
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; NUMBER OF SEQ ID NOS: 19		; OTHER INFORMATION: of transfer construct pmBmcNluci	
; SOFTWARE: PatentIn Ver. 2.1		US-10-644-027-8	
; SEQ ID NO 9		Query Match	
; LENGTH: 8937		42.1%; Score 421.2; DB 18; Length 8937;	
; TYPE: DNA		Best Local Similarity 99.3%; Pred. No. 4.5e-86;	
; ORGANISM: Artificial Sequence		Matches 423; Conservative 0; Mismatches 3; Indels 0; Gaps 0;	
; FEATURE:			
; OTHER INFORMATION: Description of Artificial Sequence: DNA sequence			
; OTHER INFORMATION: of transfer construct pmBmcNluci			
US-10-263-020-9			
Query Match		42.1%; Score 421.2; DB 14; Length 8937;	
Best Local Similarity 99.3%; Pred. No. 4.5e-86;			
Matches 423; Conservative 0; Mismatches 3; Indels 0; Gaps 0;			
Qy	576	GTACCCCTTTGTTCCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAAATCATGTGTCATAGC	635
Db	8242	GCAGCTTTTGTTCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAAATCATGTGTCATAGC	8183
Qy	636	TGTTTCCTGTGTAATTTGTTATCCGCTCACAATTCACACAACATACGAGCCGGAAGCA	695
Db	8182	TGTTTCCTGTGTAATTTGTTATCCGCTCACAATTCACACAACATACGAGCCGGAAGCA	8123
Qy	696	TAAAGTGTAAAGCTCGGGTGCCTAATGAGTGAGCTAACTCACATTAATTTGCGTTGCGCT	755
Db	8122	TAAAGTGTAAAGCTCGGGTGCCTAATGAGTGAGCTAACTCACATTAATTTGCGTTGCGCT	8063
Qy	756	CACTGCCCGCTTTCCAGTCGGGAACCTGTCGTCGCCAGCTGCAATTAATGAATCGGCCAAC	815
Db	8062	CACTGCCCGCTTTCCAGTCGGGAACCTGTCGTCGCCAGCTGCAATTAATGAATCGGCCAAC	8003
Qy	816	GCGCGGGAGAGCGCGTTTGGCGTATTGGGGCGCTCTTCCGCTTCTCGCTCACTGACTCGC	875
Db	8002	GCGCGGGAGAGCGCGTTTGGCGTATTGGGGCGCTCTTCCGCTTCTCGCTCACTGACTCGC	7943
Qy	876	TGCGCTCGGTCGTTCCGCTCGCGGAGCGGTATCGCTCACTCAAAAGGCGTAAATACGGT	935
Db	7942	TGCGCTCGGTCGTTCCGCTCGCGGAGCGGTATCGCTCACTCAAAAGGCGTAAATACGGT	7883
Qy	936	TATCCACAGAAATCAGGGGATAACGACAGGAAAGCAATGTGAGCAAAAGGCAGCAAAAGG	995
Db	7882	TATCCACAGAAATCAGGGGATAACGACAGGAAAGCAATGTGAGCAAAAGGCAGCAAAAGG	7823
Qy	996	CCAGGA 1001	
Db	7822	CCAGGA 7817	
RESULT 15			
US-10-644-027-9/c		; Sequence 9, Application US/10644027	
; Publication No. US20040077577A1		; GENERAL INFORMATION:	
; APPLICANT: The Government of the United States of America, as		; TITLE OF INVENTION: MOLECULAR CLONES WITH MUTATED HIV GAG/POL, SIV GAG AND	
; FILE REFERENCE: 2026-4287US1 HIV GAG/POL,SIV GAG & ENV		; CURRENT FILING DATE: 2003-08-19	
; PRIOR APPLICATION NUMBER: US/09/872,733A		; PRIOR FILING DATE: 2001-06-01	
; PRIOR APPLICATION NUMBER: PCT/US00/34985		; PRIOR FILING DATE: 2000-12-22	
; PRIOR APPLICATION NUMBER: 60/173,036		; PRIOR FILING DATE: 1999-12-23	
; NUMBER OF SEQ ID NOS: 19		; SOFTWARE: PatentIn Ver. 2.1	
; SEQ ID NO 9		; LENGTH: 8937	
; TYPE: DNA		; ORGANISM: Artificial Sequence	
; FEATURE:		; OTHER INFORMATION: Description of Artificial Sequence: DNA sequence	
; OTHER INFORMATION: of transfer construct pmBmcNluci			
US-10-644-027-9			
Query Match		42.1%; Score 421.2; DB 18; Length 8937;	
Best Local Similarity 99.3%; Pred. No. 4.5e-86;			
Matches 423; Conservative 0; Mismatches 3; Indels 0; Gaps 0;			
Qy	576	GTACCCCTTTGTTCCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAAATCATGTGTCATAGC	635
Db	8242	GCAGCTTTTGTTCCTTTAGTGAGGGTTAAATCCGAGCTTGGCGTAAATCATGTGTCATAGC	8183
Qy	636	TGTTTCCTGTGTAATTTGTTATCCGCTCACAATTCACACAACATACGAGCCGGAAGCA	695
Db	8182	TGTTTCCTGTGTAATTTGTTATCCGCTCACAATTCACACAACATACGAGCCGGAAGCA	8123
Qy	696	TAAAGTGTAAAGCTCGGGTGCCTAATGAGTGAGCTAACTCACATTAATTTGCGTTGCGCT	755
Db	8122	TAAAGTGTAAAGCTCGGGTGCCTAATGAGTGAGCTAACTCACATTAATTTGCGTTGCGCT	8063
Qy	756	CACTGCCCGCTTTCCAGTCGGGAACCTGTCGTCGCCAGCTGCAATTAATGAATCGGCCAAC	815
Db	8062	CACTGCCCGCTTTCCAGTCGGGAACCTGTCGTCGCCAGCTGCAATTAATGAATCGGCCAAC	8003
Qy	816	GCGCGGGAGAGCGCGTTTGGCGTATTGGGGCGCTCTTCCGCTTCTCGCTCACTGACTCGC	875
Db	8002	GCGCGGGAGAGCGCGTTTGGCGTATTGGGGCGCTCTTCCGCTTCTCGCTCACTGACTCGC	7943
Qy	876	TGCGCTCGGTCGTTCCGCTCGCGGAGCGGTATCGCTCACTCAAAAGGCGTAAATACGGT	935
Db	7942	TGCGCTCGGTCGTTCCGCTCGCGGAGCGGTATCGCTCACTCAAAAGGCGTAAATACGGT	7883
Qy	936	TATCCACAGAAATCAGGGGATAACGACAGGAAAGCAATGTGAGCAAAAGGCAGCAAAAGG	995
Db	7882	TATCCACAGAAATCAGGGGATAACGACAGGAAAGCAATGTGAGCAAAAGGCAGCAAAAGG	7823
Qy	996	CCAGGA 1001	
Db	7822	CCAGGA 7817	
RESULT 14			
US-10-644-027-8/c		; Sequence 8, Application US/10644027	
; Publication No. US20040077577A1		; GENERAL INFORMATION:	
; APPLICANT: The Government of the United States of America, as		; TITLE OF INVENTION: MOLECULAR CLONES WITH MUTATED HIV GAG/POL, SIV GAG AND	
; FILE REFERENCE: 2026-4287US1 HIV GAG/POL,SIV GAG & ENV		; CURRENT FILING DATE: 2003-08-19	
; PRIOR APPLICATION NUMBER: US/09/872,733A		; PRIOR FILING DATE: 2001-06-01	
; PRIOR APPLICATION NUMBER: PCT/US00/34985		; PRIOR FILING DATE: 2000-12-22	
; PRIOR APPLICATION NUMBER: 60/173,036		; PRIOR FILING DATE: 1999-12-23	
; NUMBER OF SEQ ID NOS: 19		; SOFTWARE: PatentIn Ver. 2.1	
; SEQ ID NO 8		; LENGTH: 8937	
; TYPE: DNA		; ORGANISM: Artificial Sequence	
; FEATURE:		; OTHER INFORMATION: Description of Artificial Sequence: DNA sequence	
; OTHER INFORMATION: of transfer construct pmBmcNluci			
US-10-644-027-8			

Db	8242	GCAGCTTTTGTTCCTTTTGTAGAGGGTTAAATTCGGAGCTTGGCGTAAATCATGCTCATAGC	8183
Qy	636	TGTTTCCTGTGTGAATTTGTTATCCGCTCACAAATTCACACAAACATACGAGCGGAAGCA	695
Db	8182	TGTTTCCTGTGTGAATTTGTTATCCGCTCACAAATTCACACAAACATACGAGCGGAAGCA	8123
Qy	696	TAAAGTGTAAAGCTGGGTGCGCTAATGAGTGAGCTAACTCACATTAATTGCGTTGCGCT	755
Db	8122	TAAAGTGTAAAGCTGGGTGCGCTAATGAGTGAGCTAACTCACATTAATTGCGTTGCGCT	8063
Qy	756	CACTGCCCGCTTTCCAGTCGGGAAACCTGTCGTGCCAGCTGCATTAAATGAATCGGCCAAC	815
Db	8062	CACTGCCCGCTTTCCAGTCGGGAAACCTGTCGTGCCAGCTGCATTAAATGAATCGGCCAAC	8003
Qy	816	GCGCGGGAGAGCGGTTTTCGCTAATGCGCGCTTTTCGCTTCTCGCTCACTGACTCGC	875
Db	8002	GCGCGGGAGAGCGGTTTTCGCTAATGCGCGCTTTTCGCTTCTCGCTCACTGACTCGC	7943
Qy	876	TGCGCTCGGTCGTTTCGCTGCGCGGAGCGGTATCAGCTCACTCAAAAGCGGTAATACGGT	935
Db	7942	TGCGCTCGGTCGTTTCGCTGCGCGGAGCGGTATCAGCTCACTCAAAAGCGGTAATACGGT	7883
Qy	936	TATCCACAGAAATCAGGGGATAACGCAGGAAAGACATGTGACAAAGGCCAGCAAAAGG	995
Db	7882	TATCCACAGAAATCAGGGGATAACGCAGGAAAGACATGTGACAAAGGCCAGCAAAAGG	7823
Qy	996	CCAGGA 1001	
Db	7822	CCAGGA 7817	

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Job time : 1001.64 secs

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